

INTERNATIONAL

Televes®

PRODUCT GUIDE 2023

ALL THE FUNCTIONS YOU NEED, ALSO IN FIBRE OPTICS

H30 CRYSTAL

H30Crystal is the new portable and multi-standard spectrum analyzer, which completes the H30 range with powerful fibre optic functionality, present in all modern telecommunication infrastructures.

Services and IPTV Analyzer

IPTV and RF services information



OPTICAL MEASUREMENTS

Accurate analysis for high-capacity networks



WI-FI ANALYSER

All bands (2.4 and 5 GHz)



MULTISCREEN AND REMOTE CONTROL

Controllable from any Android or iOS device or a PC



h3ocrystal.televes.com

Televes®

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CONSIDERATIONS

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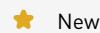
Our Declarations of Conformity (DoC), Performance (DoP), etc., are available at: www.doc.televes.com

Terrestrial Antennas channelling:

The channeling information indicated in the descriptions for Terrestrial antennas corresponds to the European CCIR standard, except for those references that present Band I (LowVHF) reception and those which include UL Listed power supply, in which American channelling is detailed.

T.OX series:

- In case of modules with CI, it is the responsibility of the concerned person to consult Televes and check compatibility of CAM and card with the module. Simultaneous decryption of services (CAM Pro): If CAM and card allow it.
- The number of modules indicated for supports and enclosures is based solely on the available space; but the number of installable modules may be limited by other restrictions as consumption or temperature.



TFORCE TForce Technology

Integrated protection against LTE:

LTE790 Channel 60 filtering (790MHz)

LTE700 Channel 48 filtering (694MHz)

LTE600 Channel 36 filtering (600MHz)

AUTO LTE Channel 48/60 filtering (automatic switching)

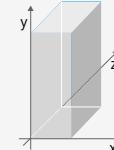
**Identifying colour in product**

| | | |
|--|---|--|
| ● Orange | ● Grey | ● Aqua blue |
| ○ White | ● Graphite | ● Magenta |
| ● Red | ● Black | |
| ● Red-brick | ● Violet | |

Packaging type for coaxial cable

| | |
|---|---|
| ● Plastic | ● Plastified coil |
| ● Cardboard | ■ Easy Box |
| ● Wooden | |

Dimensions: xyz
(width x height x depth)

**Compatibility between tower ranges:**

Due to their assembly system, tower ranges 450/550 (systems with union nuts), 450XL, 550XL (systems with security bolts) and 550ULTRA (system with plates) are not compatible with each other.

OLC technology:

The OLC (Optical Level Control) technology, included in some optical products, automatically adjusts the parameters to achieve a constant output level, irrespective of the channel.

CENELEC standard for cables:

- EN 50117-2-1: Indoor Cable 5...1000MHz
- EN 50117-2-4: Indoor Cable 5...3000MHz
- EN 50117-2-5: Outdoor Cable 5...3000MHz

Optical fiber cables:

References 231414, 231614 and 231714 are supplied by meter, per customer request.

Data cables:

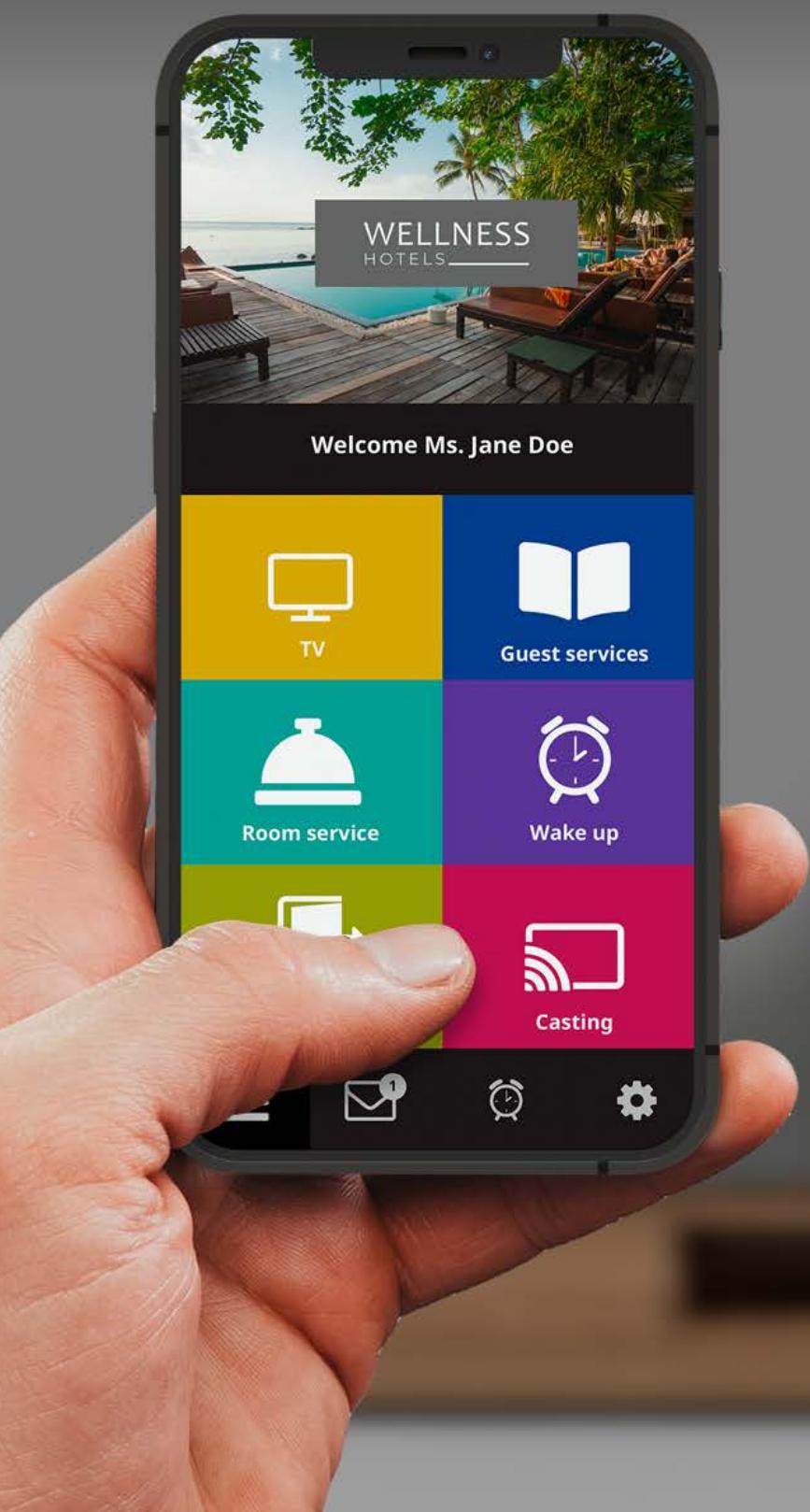
Cables and patch cords with copper inner conductor are compatible with PoE/PoE+ (Power Over Ethernet) technology.

Hospitality:

Systems that integrate FiberData (GPON) and ArantiaTV require Layer2+ or Layer3 switches.

HOSPITALITY

Efficient and ubiquitous internet access in a high capability multiservice network infrastructure.





HOSPITALITY FIBREDATA SERIES (GPON)

| Ref. | Description | |
|-------------------------------|--|---|
| GPON HEADENDS | | |
| OLT MODULES | | |
| 769401 | OLT512: 8x PON + 4x Gb Ethernet + 4x 10GbEthernet/Gb Ethernet (Up to 512 users) AC/DC Adapter included | 1 |
| 769403 | OLT512EVO: 8x PON + 4x SFP+ 10Gb Ethernet + 4x Gb Ethernet (Up to 512 users) Two Hot-swappable Redundant Embedded Power Supplies included | 1 |
| 769420 | Modular OLT3072, for 3 16x PON cards and 2x 10Gb switch cards, (Up to 3072 users) AC/DC Adapter included | 1 |
| 769421 | 2x 10Gb Switch Card (for OLT3072, Ref. 769420) | 1 |
| 769422 | 16x PON Card (for OLT3072, Ref. 769420) | 1 |
| POWER SUPPLY UNIT | | |
| 769601 | Double Power Supply Unit -48Vdc. 19" Rack Mount, 1RU (for OLT) | 1 |
| 994401 | Power Supply Unit 48V-1.87A (for OLT) | 1 |
| MEDIA CONVERTERS (SFP) | | |
| 769410 | SFP Media Converter GPON B+, 1 Fiber "SC/UPC", 1490nm | 1 |
| 769411 | SFP Media Converter 1GbE, "RJ45" | 1 |
| 769412 | SFP+ Media Converter 10GbE, 2 SMF "LC/UPC" | 1 |
| 769413 | SFP Media Converter GPON C+, 1 Fiber "SC/UPC" | 1 |
| 769414 | SFP Media Converter GPON C+ for OLT512EVO, 1 Fiber "SC/UPC" | 1 |
| Ref. | Description | |
| GPON MONITORING | | |
| 769130 | Server + Monitoring Software Tool + Licences | 1 |
| 769131 | Monitoring Software Tool + Licences | 1 |
| 769132 | Lite Server + Monitoring Software Tool + Licences (up to 128 devices) | 1 |

OLT512EVO

SPECIALLY DESIGNED FOR HOSPITALITY ENVIRONMENTS



The OLT512EVO headend has been developed at Televes to meet the needs of the hotelier. This advanced solution offers all the advantages of GPON technology, allowing "Quad Play" services to be modeled and adapted to the hotel's catalogue of offerings.

- Full management of network elements with minimum restrictions
- Accurate operation even in the most demanding Hospitality environments
- High performance without the need to purchase numerous additional devices



▲ 769132



▲ 769601



▲ 769412



HOSPITALITY

FIBREDATA SERIES (GPON)

Televes

| Ref. | Description | |
|----------------------------------|---|---|
| VIDEO OVERLAY HEADENDS | | |
| OPTICAL TRANSMITTERS | | |
| 234305 | T.OX Optical Transmitter SMATV 1550nm "SC/APC" Po 5dBm w/o Return Path | 1 |
| 234811 | T.OX Optical Transmitter CATV 1550nm "SC/APC" Po 10dBm w/o Return Path RF Automatic Adjustment and Temperature Stability | 1 |
| 769801 | Optical Transmitter SMATV 1550nm "SC/APC" Po 5dBm w/o Return Path 19" Rack Mount, 1RU | 1 |
| 769812 | Optical Transmitter CATV 1550nm "SC/APC" Po 6dBm w/o Return Path External modulation and RF Automatic Adjustment (up to 30Km). DOCSIS 3.1 compatible 19" Rack Mount, 1RU | 1 |
| AMPLIFIERS / MULTIPLEXERS | | |
| 234220 | T.OX Optical Amplifier 1i/1o: 1550nm "SC/APC" 20dBm (EDFA Technology) | 1 |
| 234221 | T.OX Optical Amplifier / Multiplexer "SC/APC" 19dBm (EDFA Technology) 2i: 1310/1490nm - 1550nm, 1o: 1310/1490/1550nm | 1 |
| 234228 | T.OX Optical Amplifier / Multiplexer "SC/APC" 20dBm (YEDFA Technology) 9i: 8x1310/1490nm - 1x1550nm, 8o: 8x1310/1490/1550nm | 1 |
| 769610 | Optical Amplifier / Multiplexer "SC/APC" 20dBm (YEDFA Technology) 9i: 8x1310/1490nm - 1x1550nm, 8o: 8x1310/1490/1550nm + Double Power Supply Unit -48Vdc. 19" Rack Mount, 1RU (for OLT) | 1 |
| 769611 | Optical Amplifier / Multiplexer "SC/APC" 20dBm (YEDFA Technology) 33i: 32x1310/1490nm - 1x1550nm, 32o: 32x1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 2RU | 1 |
| 769612 | Optical Amplifier / Multiplexer "SC/APC" 17dBm (YEDFA Technology) 9i: 8x1310/1490nm - 1x1550nm, 8o: 8x1310/1490/1550nm + Double Power Supply Unit -48Vdc. 19" Rack Mount, 1RU (for OLT) | 1 |
| 769620 | Optical Amplifier 1i/1o: 1550nm "SC/APC" 20dBm (EDFA Technology) + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769622 | Optical Amplifier 1i/8o: 1550nm "SC/APC" 10dBm (EDFA Technology) + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769623 | Optical Amplifier 1i/8o: 1550nm "SC/APC" 20dBm (YEDFA Technology) + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769630 | Optical Amplifier / Multiplexer "SC/APC" 20dBm (EDFA Technology) 2i:1x1310/1490nm - 1x1550nm, 1o:1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769631 | Optical Amplifier / Multiplexer "SC/APC" 14dBm (EDFA Technology) 5i:4x1310/1490nm - 1x1550nm, 4o:1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769632 | Optical Amplifier / Multiplexer "SC/APC" 10dBm (EDFA Technology) 9i:8x1310/1490nm - 1x1550nm, 8o:1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| POWER SUPPLY UNIT | | |
| 5629 | T.OX Switch-mode Power Supply Unit 120W 24V-5A | 1 |
| 563901 | T.OX Switch-mode Power Supply Unit 120W 24V-5A (110Vac & UL Listed) | 1 |
| OPTICAL SPLITTERS | | |
| 2337 | T.OX Optical Splitter 1260...1650nm "SC/APC" 2W 4dB | 1 |
| 2339 | T.OX Optical Splitter 1260...1650nm "SC/APC" 4W 7dB | 1 |
| 234401 | T.OX Optical Splitter 1260...1650nm "SC/APC" 8W 10dB | 1 |
| 234501 | T.OX Optical Splitter 1260...1650nm "SC/APC" 16W 14dB | 1 |
| 234601 | T.OX Optical Splitter 1260...1650nm "SC/APC" 32W 17dB | 1 |



▲ 234305



▲ 769801



▲ 234228



▲ 769612



▲ 2337



▲ 769622



▲ 769630



▲ 234401



HOSPITALITY

FIBREDATA SERIES (GPON)

Ref. Description

SUBSCRIBER EQUIPMENT

ONT/ONU

| | | |
|--------|--|---|
| 769507 | Basic ONU Module: 1x Gb Ethernet | 1 |
| 769509 | Hospitality PoE(30W) ONT Module: 4x Gb Ethernet + 2x FXS, RF Overlay | 1 |
| 769514 | Hospitality WiFi AC ONT Module: 4x Gb Ethernet + 2x FXS, WLAN b/g/n/ac, RF Overlay | 1 |
| 769520 | SPF ONU Module: GPON | 1 |

Ref. Description

OPTICAL MICRO-RECEIVER

| | | |
|--------|---|---|
| 231111 | Domestic Optical Receiver 1550nm "SC/APC" with Amplifier 47...1006MHz, OLC Technology | 1 |
| 231181 | Domestic Optical Receiver 1550nm "SC/APC" with Amplifier 47...1006MHz, OLC Technology (110Vac) | 1 |
| 237330 | Optical Receiver / Demultiplexer "SC/APC" (-5...+2dBm) 1: 1310/1490/1550nm(GPON/TV), 2o: 1310/1490nm(GPON) - RF[1TV: Terr./Sat] Vo 58/49dBµV | 1 |



▲ 769520

ONU SFP Adapter

This device is intended to be connected to the network device to extend the GPON deployment in existing access network for the subscribers.



▲ 231111

Technical Characteristics: ONT+ONU



| References | 769514 | 769509 | 769507 |
|------------------------------------|---------------------|-----------------|--------|
| Models | HOSPITALITY WIFI AC | HOSPITALITY PoE | BASIC |
| RF Overlay | ✓ | ✓ | ✗ |
| WiFi (802.11 b/g/n) (2x2) 2.4 | ✓ | ✗ | ✗ |
| WiFi (802.11 b/g/n/ac) (4x4) 2.4/5 | ✓ | ✗ | ✗ |
| USB | 1 | 2 | ✗ |
| FXS Ports | 2 | 2 | ✗ |
| ETH 10/100/1000BASE-T Ports | 4 | 4 (PoE - 30W)* | 1 |
| NAT/NAPT | ✓ | ✓ | ✗ |
| Firewall | ✓ | ✓ | ✗ |
| VPN pass-through | ✓ | ✓ | ✗ |
| PPPoE Terminal | ✓ | ✓ | ✗ |
| OMCI | ✓ | ✓ | ✗ |
| TR-069 | ✓ | ✓ | ✗ |
| CLI | ✓ | ✓ | ✗ |
| WebGUI | ✓ | ✓ | ✗ |

* Ref. 769509: The PoE ports of this ONT can be configured in two ways, 1 port of up to 30W of power, or 4 ports of up to 6.49W of power each



▲ 237330

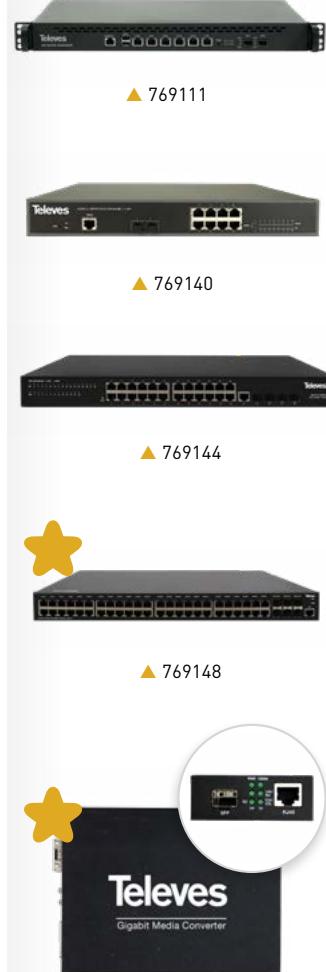


For more information about optical fiber cabling and distribution elements, see the DataCom section.



HOSPITALITY NETWORKING

| Ref. | Description | |
|----------------------------|--|---|
| NETWORK ELECTRONICS | | |
| ROUTERS | | |
| 769110 | Network Manager: Router and Firewall, 4x Gb Ethernet | 1 |
| 769111 | Network Manager: Router and Firewall, 6x Gb Ethernet + 2x SFP | 1 |
| 769120 | Router 12x Gb Ethernet + Configuration of services 19" Rack Mount, 1U | 1 |
| 769121 | Router 12x Gb Ethernet + 4x SFP, 36 core 19" Rack Mount, 1U | 1 |
| 769122 | Router 13x Gb Ethernet, 4 core, 19" Rack Mount, 1U | 1 |
| SWITCHES | | |
| Managed | | |
| ★ 768150 | Industrial Ethernet Switch L2+: 8x Gb Ethernet (PoE+, 240W) + 2x SFP (1 Gbps), -40...+75°C (without PSU) | 1 |
| 769140 | Ethernet Switch L2+: 8x Gb Ethernet (PoE+, 130W) + 2x SFP (1 Gbps) | 1 |
| 769141 | Ethernet Switch L2+: 24x Gb Ethernet (PoE+, 370W) + 4x SFP (1 Gbps) | 1 |
| 769144 | Ethernet Switch L2+: 24x Gb Ethernet + 4x SFP (1 Gbps) | 1 |
| 769145 | Ethernet Switch L2+: 48x Gb Ethernet + 6x SFP+ (10 Gbps) | 1 |
| ★ 769147 | Ethernet Switch L2+: 8x Gb Ethernet + 2x SFP (1 Gbps) | 1 |
| ★ 769148 | Ethernet Switch L3: 48x Gb Ethernet + 6x SFP+ (10Gbps) | 1 |
| ★ 769149 | Ethernet Switch L3: 8x Gb Ethernet + 24x SFP (1 Gbps) + 6x SFP+ (10 Gbps) | 1 |
| ★ 769152 | Ethernet Switch L2+: 8x Gb Ethernet/SFP Combo + 16x SFP (1 Gbps) + 4x SFP+ (10 Gbps) | 1 |
| Unmanaged | | |
| 768110 | Ethernet Switch L2, Unmanaged: 5x 10/100/1000 Mbps | 1 |
| 768111 | Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps | 1 |
| 768112 | Ethernet Switch L2, Unmanaged: 8x Gb Ethernet (Long range PoE+, 120W) + 2x Gb Ethernet | 1 |
| ★ 768121 | Industrial Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps, -40...+75°C (without PSU) | 1 |
| MEDIA CONVERTERS | | |
| ★ 769150 | SFP Media Converter 1GbE, 2 MMF (LC/PC), 850nm, 500m | 1 |
| 769210 | SFP Media Converter 1GbE 2 SMF "LC/UPC", 1310nm | 1 |
| 769212 | Kit: 2 SFP Media Converters 1GbE, SMF "LC/UPC", 1310+1490nm | 1 |
| ★ 769215 | RJ45-SFP Media Converter SMF/MMF, SFPs 769210/2 compatible | 1 |
| ★ 769216 | RJ45-F.O. Media Converter SMF, TX: 1310nm, RX: 1550nm | 1 |
| ★ 769217 | RJ45-F.O. Media Converter SMF, TX: 1550nm, RX: 1310nm | 1 |
| 769412 | SFP+ Media Converter 10GbE, 2 SMF "LC/UPC" | 1 |



Compatibility between the SFPs and the different Ethernet and GPON equipment

| Compatible products | 769520 | 769210 | 769212 | 769410 | 769411 | 769412 | 769413 | 769414 | 769150 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ethernet Switches: 769140, 769141, 769144, 769145, 769147, 769148, 769149, 769152 | ✓ | ✓ | ✓ | ✗ | ✗ | ✓* | ✗ | ✗ | ✓ |
| Router 769111 | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✗ |
| OLT GPON Modules: 769401, 769403, 769420, 769421, 769422 | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓** | ✓ |
| Media Converter 769215 | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ |
| WaveData 769002 | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ |
| CoaxData Modem 769202 | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ |

* Compatible with Ethernet switches with SFP+ ports: 769145, 769148, 769149 or 769152.

** Only compatible with OLT512EVO ref. 769403



HOSPITALITY NETWORKING

| Ref. | Description | |
|----------------------------------|--|---|
| WIFI ACCESS POINTS | | |
| WAVEDATA SERIES | | |
| WaveData Access Points | | |
| 769001 | Indoor Wireless Access Point WaveData: 1x Ethernet WAN [PoE], 1x Ethernet LAN, 1x USB 3.0, WLAN b/g/n/ac (option Low Power WiFi) | 1 |
| 769002 | Indoor Wireless Access Point WaveData: 1x F.O. SFP, 1x Ethernet LAN, 1x USB 3.0, WLAN b/g/n/ac (option Low Power WiFi) | 1 |
| 769011 | Outdoor Wireless Access Point WaveData: 1x Ethernet WAN [PoE], 1x Ethernet LAN, 1x USB 3.0, WLAN b/g/n/ac | 1 |
| Accessories | | |
| 640301 | Wall Mount for CoaxData/CoaxBox/WaveBox | 1 |
| Ref. | Description | |
| MANAGEMENT AND MONITORING | | |
| 768801 | DataBox device: Managing and monitoring platform for WaveData, CoaxData and Networking devices | 1 |
| 769030 | WaveBox device: Managing and monitoring the WaveData network | 1 |
| 769112 | Network Manager: Hotspot, 4x Gb Ethernet | 1 |

DATA OVER CABLE SYSTEM

| Ref. | Description | |
|--|---|------|
| COAXDATA SERIES (HOMEPLUG AV) | | |
| GIGABIT 1GBPS | | |
| Transmitter/Receiver 1Gbps-HDTV Data over Coaxial and PLC, 2 Ethernet Connectors & 2 "F" Connectors | | |
| 769201 | Transmitter/Receiver 1Gbps-HDTV Data over Coaxial and PLC, 2 Ethernet Connectors & 2 "F" Connectors | 1 |
| 769202 | Transmitter/Receiver 1Gbps-HDTV Data over Coaxial and PLC, 1 Ethernet Connector, 1 SFP [Optical Fiber] Connector & 2 "F" Connectors | 1 |
| 769203 | Transmitter/Receiver 1Gbps-HDTV Data over Coaxial, 1 Ethernet Connector & 2 "F" Connectors | 1 |
| 769281 | Transmitter/Receiver 1Gbps-HDTV Data over Coaxial and PLC, 2 Ethernet Connectors & 2 "F" Connectors (US plug) | 1 |
| 769282 | Transmitter/Receiver 1Gbps-HDTV Data over Coaxial and PLC, 1 Ethernet Connector, 1 SFP [Optical Fiber] Connector & 2 "F" Connectors (US plug) | 1 |
| 769283 | Transmitter/Receiver 1Gbps-HDTV Data over Coaxial, 1 Ethernet Connector & 2 "F" Connectors (US plug) | 1 |
| 769301 | Transmitter/Receiver Router 1Gbps-HDTV Data over Coaxial, PLC and WiFi (Low Power WiFi option), 3 Ethernet Connectors & 2 "F" Connectors | 1 |
| MANAGEMENT | | |
| 769330 | CoaxBox device: Managing and monitoring the CoaxData network | 1 |
| ACCESSORIES | | |
| 640301 | Wall Mount for CoaxData/CoaxBox/WaveBox | 1 |
| 769210 | SFP Media Converter 1GbE 2 SMF "LC/UPC", 1310nm | 1 |
| 769212 | Kit: 2 SFP Media Converters 1GbE, SMF "LC/UPC", 1310+1490nm | 1 |
| 769220 | Diplexer Filter 2i/1o "F": LPF(2...68MHz) - HPF[87...2150MHz] | 1/10 |



▲ 769201



▲ 769301



▲ 769210



▲ 769212

WAVEDATA SERIES



▲ 76900x

▲ 769011

WIRELESS ACCESS POINT

WaveData AP provides a high-performance wireless mobility solution for establishments with medium / high density.

The ref. 769002 includes a port for SFP modules, which allows to extend the switching functionality over fibre optic cables.

DATABOX



▼ 768801

The DataBox device is designed for the management and monitoring of network project devices, as headends, switches, routers, ONTs, in addition to the WaveData series and CoaxData series, among others.

- Centralized monitoring on a single platform
- It allows rapid detection of failures and errors in the network
- SNMP protocol integrated
- Logs and statistics consultation
- Alert management



HOSPITALITY INTERACTIVE SERVICES

Televes

| Ref. | Description | |
|-----------------------------------|---|---|
| IPTV HEADENDS | | |
| T.0X SERIES | | |
| Streamers | | |
| 565701 | T.0X Streamer DVB-T/T2-IP CI (Multicast/Unicast, SPTS) Multiplexer: 4 Channels (DVB-T/T2) : 32 IP Streams | 1 |
| 565740 | T.0X Streamer DVB-T/T2-IP CI (Multicast/Unicast, SPTS) Multiplexer: 4 Channels (DVB-T/T2) : 32 IP Streams Pro:Idiom re-encryption for DRM solution | 1 |
| 565801 | T.0X Streamer DVBS/S2-IP CI (Multicast/Unicast, SPTS) Multiplexer: 3 Transponders(2Sat) or 3 Transponders(1Sat+LoopThru) : 32 IP Streams | 1 |
| 565840 | T.0X Streamer DVBS/S2-IP CI (Multicast/Unicast, SPTS) Multiplexer: 3 Transponders(2Sat) or 3 Transponders(1Sat+LoopThru) : 32 IP Streams Pro:Idiom re-encryption for DRM solution | 1 |
| Encoders | | |
| 563805 | T.0X Encoder/Modulator IP Twin (MPEG2/4), 2 Modes: 2i: HDMI / Component(YPbPr) - 1Mux: IP/QAM (Annex B) 2i: HDMI / Component(YPbPr) / IP - 1Mux: QAM (Annex B) | 1 |
| 563852 | T.0X Encoder/Modulator IP Twin (MPEG2/4), 2 Modes: 2i: HDMI / Component(YPbPr) / CVBS - 1Mux: IP/COFDM/QAM 2i: HDMI / Component(YPbPr) / CVBS / IP - 1Mux: COFDM/QAM | 1 |
| 831816 | Kit T.0X Corporate Channel: Nemesis DS Player (Ref. 831815) + T.0X HDMI-IP Encoder (Ref. 563852) + Power Supply Unit (Ref. 582802) | 1 |
| Auxiliary Equipment | | |
| 216802 | Kit: OTG USB - microUSB B Cable & WiFi Adapter. Utilities: Streamers T.0X WiFi Control | 1 |
| 5301 | 19" Rack Frame 484mm 5RU (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 5629 | T.0X Switch-mode Power Supply Unit 120W 24V-5A | 1 |
| COMPACT HE-21 IPTV HEADEND | | |
| HE-21 Chassis | | |
| 831010 | 4U Chassis | 1 |
| 831011 | 4U Chassis with Redundant Power Supply | 1 |
| 831012 | 1U Chassis | 1 |
| Input Modules | | |
| 831111 | DVB-S/S2 Quad Input | 1 |
| 831114 | DVB-T/T2 Quad Input | 1 |
| 831123 | DVB-S/S2/T/T2/C/ISDB-T Dual Input with Dual CI | 1 |
| Optional Items | | |
| 831119 | Corporate Channel License | 1 |

T.OX IP STREAMERS

▲ 565701

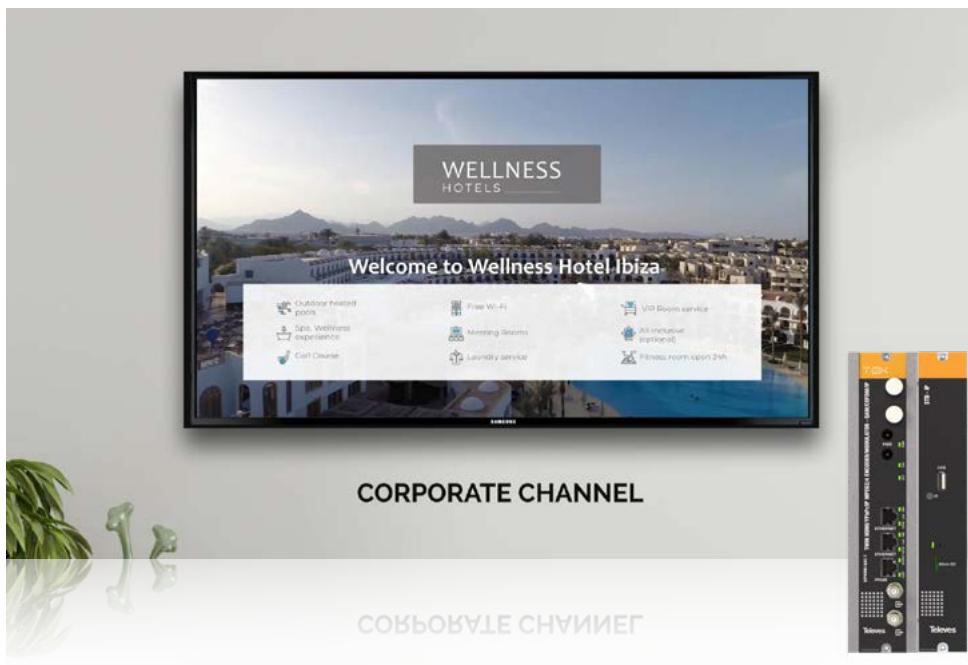
Streamers generating an IP encapsulated output from the multiplexing of the services available in:

- Up to 3 different TV SAT transponders: Ref. 565801.
- 4 different DVB-T or DVB-T2 muxes: Ref. 565740.

In addition, modules 565840/565740 has the option to re-encrypt the IP services decrypted by the CAM with a DRM Pro: Idiom solution (Digital Rights Management), for secure delivery of contents.



▲ 563852



▲ 831816



HOSPITALITY INTERACTIVE SERVICES

ARANTIA.TV



IPTV AND INTERACTIVE TV

Arantia TV includes all the services needed to respond to its customers' requirements within a simple IPTV platform in all kinds of projects, including hotels, hospitals, operators, companies and residential buildings. Indeed, it provides additional **new tools in order to enhance business operations**.

- **New multi-screen Middleware:**
 - STB Nemesis V2 Middleware, LG, Samsung and Philips televisions*.
 - Apps for iOS and Android devices*.
- Third party systems integration:
 - Property Management Systems,
 - NO/NC Alarm Systems.
- **Multiple Interactive Services:**
 - Television, Video on Demand, News, Messages, Check Expenses, Information Services, Booking & Shopping, Surveys...
- Integration with Arantia DS (Digital Signage) and ArantiaCast (content sharing on the TV from mobile devices via Chromecast).
- A powerful system management tool:
 - Allows managing all the existing functionalities and includes a complete and intuitive user friendly interface design tool.
- Customizable user interface, according to the requirements of every project and even every room within the same project.

* Check compatible TV models.

| Ref. | Description | |
|---|---|---|
| ITV HEADEND (INTERACTIVE TELEVISION) | | |
| MIDDLEWARE | | |
| 83031801 | Arantia TV Middleware up to 50 Users | 1 |
| 83032003 | Arantia TV Middleware up to 100 Users | 1 |
| 83032103 | Arantia TV Middleware up to 499 Users | 1 |
| 83032203 | Arantia TV Middleware up to 750 Users | 1 |
| 83032303 | Arantia TV Middleware up to 1000 Users | 1 |
| 83032403 | Arantia TV Middleware up to 2200 Users | 1 |
| 83032503 | Arantia TV Middleware Lite up to 1000 Users | 1 |
| LICENCES | | |
| 830319 | Arantia TV Set-Top Box License | 1 |
| 830510 | Arantia TV Compatible Television License (LG, Samsung, Philips) | 1 |
| VOD SERVERS | | |
| 830311 | VOD Server 20 Streams 1TB SAS | 1 |
| 83031201 | VOD Server 95 Streams 500GB (1.2TB) SAS | 1 |
| 83031203 | VOD Server 95 Streams 1TB (2.4TB) SAS | 1 |
| NPVR SERVERS | | |
| 830401 | nPVR Server 20 Streams 1TB SAS | 1 |
| 830402 | nPVR Server 95 Streams 500GB (1.2TB) SAS | 1 |
| 830403 | nPVR Server 95 Streams 1TB (2.4TB) SAS | 1 |
| CONNECT MYDEVICE | | |
| 100003 | ArantiaTV Application - Connect My Device | 1 |



▲ 83031801



▲ 83032003



License



▲ 830319



▲ 830311

ARANTIA TV APPLICATION



▲ 100003

Connect My Device is an advanced mobile application that the guest can use in order to connect to the room television through the hotel Wi-Fi network.

Available for iOS and Android, Arantia TV application allows an easily interactive television operation from your mobile device.



HOSPITALITY INTERACTIVE SERVICES

Televes

Ref. Description

ITV PERSONALIZATION

PERSONALIZATION ITEMS AND ADDITIONAL OPTIONS

| | | |
|----------|---|---|
| 830110 | Alarm Monitor Device | 1 |
| 830501 | Property Management System Integration License (server needed) | 1 |
| 830502 | Guest User Interface (GUI) personalization | 1 |
| 830506 | TV NO/NC Alarm System Integration | 1 |
| 830508 | Property Management System Integration HW Gateway | 1 |
| 830509 | Property Management System Integration Gateway - License for Room | 1 |
| ★ 830511 | Property Management System Adapter Interface License | 1 |
| 980103 | Arantia TV User Interface Customization (1 hour) | 1 |

Ref. Description

ITV ROOM EQUIPMENT

SET-TOP BOX

| | | |
|--------|---|---|
| 830108 | Nemesis V2 Set-Top Box | 1 |
| 830130 | Nemesis V2 Kit: Set-Top Box + IR/RF Remote Control + Power Supply | 1 |

ACCESSORIES

| | | |
|--------|--|---|
| 830207 | LG/Samsung Remote Control | 1 |
| 830216 | IR Universal (TV) and RF (STB Nemesis V2) Remote Control | 1 |
| 830218 | Power Supply Unit for Nemesis V2 Set-Top Box (All plugs) | 1 |
| 830219 | Nemesis V2 Set-Top Box TVI Extension - Samsung | 1 |
| 830220 | Nemesis V2 Set-Top Box TVI Extension - LG | 1 |
| 830221 | Wall Mount for Nemesis V2 Set-Top Box | 1 |

Ref. Description

ITV ACCESSORIES

RACKS AND ACCESSORIES

| | | |
|--------|-----------------------------------|---|
| 831301 | 19" Rack 27U (Mounted & Adjusted) | 1 |
| 831303 | 19" Rack 42U (Mounted & Adjusted) | 1 |
| 831304 | 19" Rack 22U (Mounted & Adjusted) | 1 |
| 831311 | Rack Rails for HE-21 | 1 |

ROUTER AND UPS

| | | |
|--------|--|---|
| 831404 | VPN Router | 1 |
| 831701 | UPS and rack 19" support (Installation Kit for rack 19") | 1 |

TRANSCEIVERS

| | | |
|--------|-------------------------|---|
| 831505 | Transceiver 1000T RJ-45 | 1 |
|--------|-------------------------|---|

STB NEMESIS V2



Powerful Set-Top-Box designed to deploy interactive services specifically designed and developed to serve the hospitality environment.

Based on the AOSP with a complete management tool and an intuitive user application, it is the perfect choice to offer information and entertainment services.

- MPEG2, MPEG4-AVC / H264 decoding capabilities.
- Remote management and monitoring.
- Accessories: Power supply 10W (5V/2A) and remote control (Bluetooth and IR).

*AOSP: Android Open Source Project.

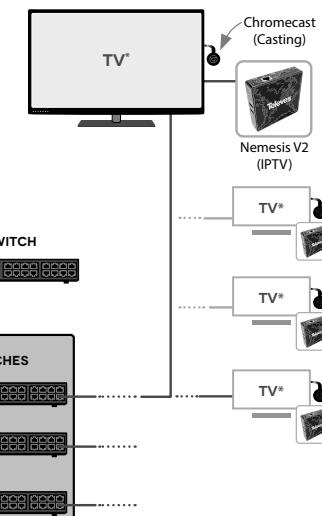
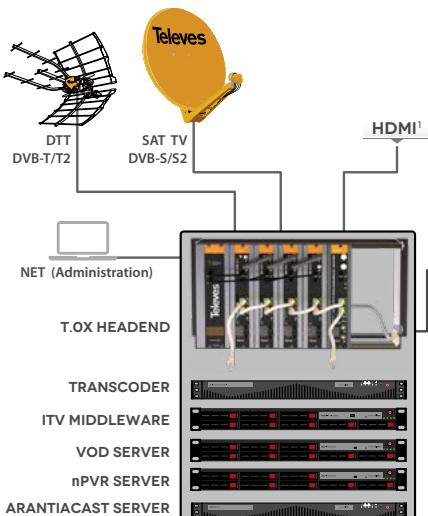


▲ 830130



▼ Rack 27U
(Mounted and adjusted)

Arantia TV: Main System Components



This diagram includes the main System Architecture components.

Input systems such as the T.OX Headend, MDW Server, Multiscreen Transcoder..., the IP distribution network and the end user devices like the Nemesis V2 STB's, TV's and players for IPTV reception, digital signage with Arantia DS or advanced interactive services with Arantia TV.

1. The HDMI input allows the inclusion in the system of audio and video streams from HDMI sources such as encoders, PCs, and others.

Compatible TVs:



ARANTIA CAST

Over 2000 apps available
chromecast.com/apps

ArantiaCast solution powered by Chromecast
 Android, iOS and ChromeOS compatible

STREAMING EXPERIENCE

The complete contents of the mobile devices on the Hotel TV set.

ArantiaCast is a casting system that allows each user in a multiuser environment, such as hotels, to have its own exclusive associated device. Without any login or password, and with automatic disconnection when the guest checks out through the hotel's PMS.

- The system allows the advanced remote monitoring of the installed devices.
- The Chromecast installation on the television sets is carried out in an unobtrusive and safe way.
- Streaming will only be allowed on the television set of the guest's own room.
- It includes the option to customise the contents of the Chromecast welcome screen, allowing the hotel to include its own brand in the system.
- The system includes a section of usage statistics in the configuration tool.
- Disconnection from the system takes place on check.
- Content streaming on the hotel's television set, just like home.
- Secure system that guarantees the guests' privacy.
- Compatible with any television set equipped with an HDMI connector.
- Over 2,000 applications available for Casting (Netflix, HBO, YouTube, etc.)
- Multiple mobile devices can be connected to the same room's Chromecast.

| Ref. | Description | |
|---------------------------|---|---|
| ARANTIACAST | | |
| ARANTIACAST SERVER | | |
| 831410 | ArantiaCast Server | 1 |
| CHROMECAST DEVICE | | |
| 831411 | ArantiaCast Kit: Pre-configured Chromecast + Anti-theft Box and Cable | 1 |
| 831412 | License for Chromecast Device | 1 |
| 831414 | ArantiaCast Server SW Warranty Extension (annual per Chromecast Device) | 1 |
| 831415 | Chromecast Mounting Kit: Box and Anti-theft Cable | 1 |



▲ 831410



▲ 831411

Stream your favourite content from your personal device straight to the TV in three easy steps

1 CONNECT to the Wi-Fi:
 Hotel-WIFI

2 SCAN this QR code:
 or
 VISIT localarantia.com
 and enter the code:
 12345ABC

3 TAP the casting icon in your cast-enabled app and enjoy!

Room 212

en.televés.com/arantiacast



HOSPITALITY DIGITAL SIGNAGE

Televes

Ref. Description

DIGITAL SIGNAGE CLOUD

DS PLAYERS

| | | |
|--------|--|---|
| 831801 | DS Totem with Vertical Display | 1 |
| 831811 | DS SYNC Annual License | 1 |
| 831812 | Nemesis DS Player | 1 |
| 831815 | Nemesis DS Player - T.0X 19" Rack Mounting | 1 |
| 831830 | Nemesis DS Player Wi-Fi (EU PSU included) | 1 |



▲ 831830



▲ 831805

Ref. Description

LOCAL DIGITAL SIGNAGE

DS SERVER

| | | |
|--------|-----------------------------------|---|
| 831805 | Arantia DS Server up to 150 Users | 1 |
|--------|-----------------------------------|---|

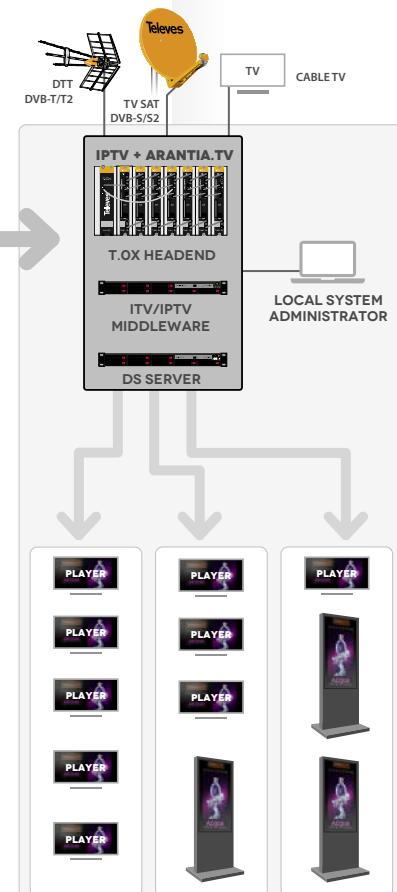
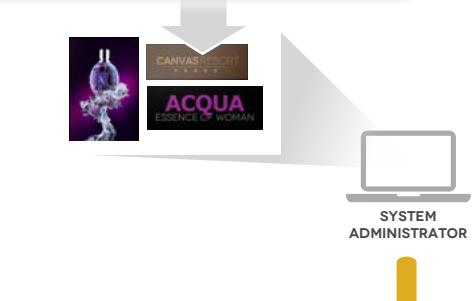
DS PLAYERS

| | | |
|--------|--|---|
| 831801 | DS Totem with Vertical Display | 1 |
| 831812 | Nemesis DS Player | 1 |
| 831815 | Nemesis DS Player - T.0X 19" Rack Mounting | 1 |
| 831830 | Nemesis DS Player Wi-Fi (EU PSU included) | 1 |

ACCESSORIES

| | | |
|--------|-------------------------------------|---|
| 830208 | Power Supply Unit for STB (UK plug) | 1 |
| 830209 | Power Supply Unit 12V-1.5A | 1 |
| 830213 | STB TVI Extension - Samsung | 1 |
| 830215 | STB TVI Extension - LG | 1 |

Arantia DS: Cloud based & in-house Server based operation modes





HOSPITALITY EXPAND TV

| Ref. | Description | |
|-------------------|-------------------------------|---|
| TRANSCODER | | |
| 832201 | Transcoder/Streamer Live | 1 |
| 832204 | Transcoder/Streamer Live Plus | 1 |



▲ 832201

TELEPHONY (VOIP)

| Ref. | Description | |
|-----------------------------|--|------------------------------------|
| SUBSCRIBER EQUIPMENT | | |
| ONT/ONU | | |
| 769509 | Hospitality PoE(30W) ONT Module: 4x Gb Ethernet + 2x FXS, RF Overlay | 1 |
| 769514 | Hospitality WiFi AC ONT Module: 4x Gb Ethernet + 2x FXS, WLAN b/g/n/ac, RF Overlay | 1 |
| 769520 | SPF ONU Module: GPON | 1 |
| IP PBX | | |
| 770146 | VOIP PBX Phone System (up to 50 simultaneous calls) | 1 |
| 770147 | VOIP PBX Phone System (up to 200 simultaneous calls) | 1 |
| GATEWAYS | | |
| 770401 | RDSI Gateway with 2 BRI ports (4 channels) and 2 10/100 Base-T Ethernet ports | 1 |
| 770402 | RDSI Gateway with 4 BRI ports (8 channels) and 2 10/100 Base-T Ethernet ports | 1 |
| TERMINALS | | |
| IP | | |
| 770101 | Wi-Fi Terminal with dual-band Wi-Fi support 802.11a/b/g/n, 2 SIP accounts, 2 lines, 2.4" colour LCD screen | 1 |
| 770110 | IP Terminal with 1 SIP account, 3 XML keys, Backlit LCD screen, Black | 1 |
| 770120 | PoE IP Terminal with 2 SIP accounts, 3 XML keys, Backlit LCD screen, Black | 1 |
| 770130 | PoE Operator IP Terminal with 6 SIP accounts, 12 line keys, 5 XML keys, 4.3" colour LCD screen, Black | 1 |
| 770150 | Extension Module for Operator IP Terminal with 20 programmable keys, 2 navigation keys, LCD screen, Black | 1 |
| ANALOGUES | | |
| 770301 | Analogue Terminal with 4 direct keys for one touch connection, Black | <input checked="" type="radio"/> 1 |
| 770302 | Analogue Terminal with 4 direct keys for one touch connection, White | <input type="radio"/> 1 |
| 770303 | Compact Analogue Terminal, Black | <input checked="" type="radio"/> 1 |
| 770304 | Compact Analogue Terminal, White | <input type="radio"/> 1 |



▲ 832204



▲ 770146



▲ 770147



▲ 770120



▲ 770302

TV DISTRIBUTION

The distribution of radio communication services is the traditional core of our company.

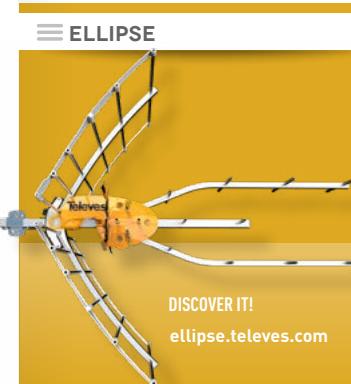




TV DISTRIBUTION

TERRESTRIAL ANTENNAS

| Ref. | Description | | |
|------------------------------------|--|---------------|--------|
| INTELLIGENT (WITH BOSSTECH) | | | |
| ELLIPSE SERIES | | | |
| Ellipse | | | |
| 148902 | Ellipse Terrestrial Antenna UHF [Ch21-60], G 38dBi BOSS ON PSU included 12V-200mA (Multiple Packing) | TFORCE LTE790 | 8 |
| 148920 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON (Multiple Packing) | TFORCE LTE700 | 8 |
| 148922 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 24V-130mA (Multiple Packing) | TFORCE LTE700 | 8 |
| 148923 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-220mA, UK plug (Single Packing) | TFORCE LTE700 | 1/4 |
| 148925 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-200mA (Single Packing) | TFORCE LTE700 | 1/4 |
| 148926 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-200mA (Multiple Packing) | TFORCE LTE700 | 8 |
| 148981 | Ellipse Terrestrial Antenna UHF [Ch14-51], G 38dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/4 |
| Ellipse Mix | | | |
| 148821 | Ellipse MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 34/38dBi BOSS ON PSU included 12V-200mA (Single Packing) | TFORCE LTE700 | 1/4 |
| 148822 | Ellipse MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 34/38dBi BOSS ON PSU included 12V-200mA (Multiple Packing) | TFORCE LTE700 | 6 |
| 148881 | Ellipse MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-51] G 36.5/40dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/4 |
| 148883 | Ellipse MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-36] G 36.5/40dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE600 | 1/1/1 |
| DAT SERIES | | | |
| DAT BOSS | | | |
| 149921 | DAT BOSS Terrestrial Antenna UHF [Ch21-48] G 17dBi BOSS OFF, G 42dBi BOSS ON (Single packing) | TFORCE LTE700 | 1/5 |
| 149922 | DAT BOSS Terrestrial Antenna UHF [Ch21-48] G 17dBi BOSS OFF, G 42dBi BOSS ON (Multiple packing) | TFORCE LTE700 | 6 |
| 149941 | DAT BOSS Terrestrial Antenna UHF [Ch21-60] G 17dBi BOSS OFF, G 45dBi BOSS ON (Single Packing) | TFORCE LTE790 | 1/5 |
| 149983 | Terrestrial Antenna DAT BOSS UHF [Ch14-51] PSU included 12V-220mA (110Vac & UL Listed)(Single packing) | TFORCE LTE700 | 1/5 |
| DAT BOSS LR | | | |
| 149721 | DAT BOSS LR Terrestrial Antenna UHF [Ch21-48] G 19dBi BOSS OFF, G 47dBi BOSS ON (Single packing) | TFORCE LTE700 | 1 |
| 149740 | DAT BOSS LR Terrestrial Antenna UHF [Ch21-60] G 19dBi BOSS OFF, G 47dBi BOSS ON (Single Packing) | TFORCE LTE790 | 1 |
| 149783 | Terrestrial Antenna DAT BOSS LR UHF [Ch14-51] PSU included 12V-220mA (110Vac & UL Listed)(Single packing) | TFORCE LTE700 | 1/1/20 |
| DAT BOSS MIX | | | |
| 148220 | DAT BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-51] G -8.5/16dBi BOSS OFF, G 24/36.5/42dBi BOSS ON (Single Packing) | TFORCE LTE700 | 1/25 |
| 148281 | DAT BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-51] G -8.5/16dBi BOSS OFF, G 24/36.5/42dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/25 |
| 149421 | DAT BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON (Single Packing) | TFORCE LTE700 | 1/25 |
| 149422 | DAT BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON (Multiple packing) | TFORCE LTE700 | 5 |
| 149483 | DAT BOSS MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-51] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/25 |
| 149484 | DAT BOSS MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-36] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON + PSU 550104 | TFORCE LTE600 | 1/25 |
| DAT BOSS MIX LR | | | |
| 148381 | DAT BOSS MIX LR Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-51] G -8.5/18dBi BOSS OFF, G 24/36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/1/20 |
| 148383 | DAT BOSS MIX LR Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-36] G -8.5/18dBi BOSS OFF, G 24/36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE600 | 1/1 |
| 149821 | DAT BOSS MIX LR Terrestrial Antenna BIII/UHF [C5-12/21-48] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON (Single packing) | TFORCE LTE700 | 1/1/12 |
| 149883 | DAT BOSS MIX LR Terrestrial Antenna HighVHF/UHF [Ch5-13/14-51] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/1/20 |
| 149884 | DAT BOSS MIX LR Terrestrial Antenna HighVHF/UHF [Ch7-13/14-36] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE600 | 1/1 |



INTELLIGENCE TAKEN TO THE LIMIT

A new concept in DTT antenna that eliminates any interference even in limit of the TV band, combining breakthrough design and the new generation of TForce with SAW filtering in a 100% stainless mechanical frame.



PSU included: intelligence is activated when the antenna is powered.



Look for the TForce mark in your intelligent antenna to guarantee the best quality reception.

TForce increases the coverage of a TDt antenna, amplifying almost imperceptible signals and remaining inalterable for very strong signals.

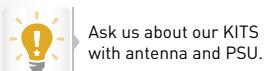
en.televés.com/tforce



ELLIPSE MIX



DAT BOSS LR





TV DISTRIBUTION

TERRESTRIAL ANTENNAS

Televes

| Ref. | Description | | |
|------------------------------------|---|---------------|---------------------------|
| INTELLIGENT (WITH BOSSTECH) | | | |
| NOVA SERIES | | | |
| DINOVA BOSS | | | |
| 144012 | DINOVA BOSS Terrestrial Antenna UHF [Ch21-60] G 7dBi BOSS OFF, G 34dBi BOSS ON [Kit with accessories] | TFORCE LTE790 | <input type="radio"/> 1 |
| 144021 | DINOVA BOSS Terrestrial Antenna UHF [Ch21-48] G 7dBi BOSS OFF, G 34dBi BOSS ON | TFORCE LTE700 | <input type="radio"/> 1 |
| 144022 | DINOVA BOSS Terrestrial Antenna UHF [Ch21-48] G 7dBi BOSS OFF, G 34dBi BOSS ON [Kit with accessories] | TFORCE LTE700 | <input type="radio"/> 1 |
| 144223 | DINOVA BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 1/6dBi BOSS OFF, G 27/32dBi BOSS ON | TFORCE LTE700 | <input type="radio"/> 1 |
| 144224 | DINOVA BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 1/6dBi BOSS OFF, G 27/32dBi BOSS ON [Kit with accessories] | TFORCE LTE700 | <input type="radio"/> 1 |
| 144286 | DINOVA BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-6/7-13/14-36] G -/-7dBi BOSS OFF, G 16/29/34dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)[Kit with accessories] | TFORCE LTE600 | <input type="radio"/> 1/1 |
| CAMPNOVA BOSS | | | |
| 144521 | CAMPNOVA BOSS Terrestrial Antenna FM/BIII/UHF [Ch5-12/21-48] G -2/20/30dBi BOSS ON [Kit with accessories] | TFORCE LTE700 | <input type="radio"/> 1 |
| OMNINOVA BOSS | | | |
| 144422 | OMNINOVA BOSS Terrestrial Antenna BI/FM/BIII/UHF [Ch3-12/21-48] G 17/16/25/25dBi BOSS ON [Kit with accessories] | TFORCE LTE700 | <input type="radio"/> 1 |



► DINOVA BOSS



► CAMPNOVA BOSS



► OMNINOVA BOSS



Ask us about our KITS
with antenna and PSU.

What you need to know to choose the right NOVA special antenna?

| | ANTENNA | RECEPTION TYPE | INSTALLATION RECOMMENDED FOR | HIGHLIGHT |
|--------|-----------------|-----------------------------|--|---|
| TV | DINOVA | STATIC | Emblematic buildings, Facades, Balconies | ■ Low visual impact. |
| TV | CAMPNOVA | STATIC (Long term stay) | Caravans (Campings) | ■ Low visual impact. ■ Mounting optimized to be installed in a caravan. |
| | OMNINOVA | STATIC (Short term stay) | Caravans & Ships | ■ No need to be oriented. |
| Mobile | 4GNova | STATIC | Housing | ■ Low visual impact. ■ Reception of LTE 4G signals to extend the telephone coverage. |



TV DISTRIBUTION

TERRESTRIAL ANTENNAS

| Ref. | Description | | |
|------------------------------------|---|---------------|---------|
| INTELLIGENT (WITH BOSSTECH) | | | |
| INDOOR SERIES | | | |
| BEXIA series | | | |
| 130501 | BEXIA Indoor Terrestrial Antenna VHF/UHF [Ch5-12/21-48] G 15/18dBi (USB-microUSB cable included, for 5V powering) | TFORCE LTE700 | ● 1/6 |
| 130581 | BEXIA Indoor Terrestrial Antenna LowVHF/HighVHF/UHF [C2-13/14-51] G 17/26/28 dBi (USB-microUSB cable and power adapter included, for 5V powering) | TFORCE LTE700 | ● 1/6 |
| 130583 | BEXIA Indoor Terrestrial Antenna LowVHF/HighVHF/UHF [C2-13/14-36] G 17/26/28 dBi (USB-microUSB cable and power adapter included, for 5V powering) | TFORCE LTE600 | ● 1/1/6 |
| INNOVA BOSS | | | |
| 130220 | INNOVA BOSS Indoor Terrestrial Antenna UHF [Ch21-48] G 20dBi (USB-microUSB cable included, for 5V powering) | TFORCE LTE700 | ● 1 |
| 130240 | INNOVA BOSS Indoor Terrestrial Antenna UHF [Ch21-60] G 20dBi (USB-microUSB cable included, for 5V powering) | TFORCE LTE790 | ● 1 |
| 130320 | INNOVA BOSS MIX Indoor Terrestrial Antenna VHF/UHF [Ch5-12/21-48] G 17/20dBi (USB-microUSB cable included, for 5V powering) | TFORCE LTE700 | ● 1 |
| ★ 130383 | INNOVA BOSS MIX Indoor Terrestrial Antenna VHF/UHF [Ch7-13/14-36] G 26/27dBi (USB-microUSB 5V power supply cable included) | | ● 1/1 |
| MIRA BOSS | | | |
| 130102 | MIRA BOSS Indoor Terrestrial Antenna UHF [Ch21-60] G 18dBi (UK plug) | TFORCE LTE790 | ● 1/240 |
| 130121 | MIRA BOSS Indoor Terrestrial Antenna UHF [Ch21-48] G 18dBi | TFORCE LTE700 | ● 1/240 |
| ACCESSORIES | | | |
| Power supply units | | | |
| 5501 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 12V-220mA (UK Plug) | | 1 |
| 550101 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 12V-220mA | | 1 |
| 550104 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 12V-220mA (110Vac & UL Listed) | | 1 |
| 5504 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 24V-130mA | | 1 |
| 550402 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 24V-130mA (Blister T1) | | 1/8 |
| 579401 | PicoKom Domestic Power Supply Unit 1i/2o "EasyF": 5...2400MHz 12V-200mA | | 1/10 |
| 5795 | PicoKom Domestic Power Supply Unit 1i/2o "EasyF": 5...862MHz 24V-130mA | | 1/10 |
| 5796 | PicoKom Domestic Power Supply Unit 1i/1o "EasyF" SATmix: 5...2400MHz 12V-220mA | | 1/10 |
| Domestic amplifiers | | | |
| 545801 | Auto-LTE Domestic Amplifier 1i/(2o+TV) "F": 47...694/790MHz G 20dB Vo 101dB _P V Auto-Adjustment + Output to a TV Outlet G 11dB + Preamplifier Powering 12V-100mA, UK plug (Blister T1) | AUTOLTE | 1/8 |
| 545901 | Auto-LTE Domestic Amplifier 1i/(2o+TV) "F": 47...694/790MHz G 20dB Vo 101dB _P V w/USOS + Output to a TV Outlet G 11dB + Preamplifier Powering 12V-100mA | AUTOLTE | 1 |
| 553241 | Domestic Amplifier 1i/2o "F": 47...790MHz G 20dB Vo 110dB _P V + Pream.Pow. 12V-100mA | LTE790 | 1 |
| 560521 | PicoKom Domestic Amplifier 1i/1o "EasyF": 47...694MHz G 14/20dB Vo 102/105dB _P V Auto-Adjustment + Preamp.Pow. 12V-150mA | LTE700 | 1/10 |
| 560522 | PicoKom Domestic Amplifier 1i/2o "EasyF": 47...694MHz G 10/16dB Vo 98/101dB _P V Auto-Adjustment + Preamp.Pow. 12V-150mA | LTE700 | 1/10 |
| 560523 | PicoKom Domestic Amplifier 1i/(2o+TV) "EasyF": 47...694MHz G 10/16dB Vo 98/101dB _P V Auto-Adjustment + Preamp.Pow. 12V-150mA | LTE700 | 1/10 |
| 560601 | PicoKom Domestic Amplif. 1i/2o "EasyF": 47..694/950..2150MHz G 12/23dB Vo 110/106dB _P V AGC +Preamplifier Powering 12V-150mA | LTE700 | 1/10 |
| Accessories | | | |
| ★ 494702 | Coaxial Atmospheric Surge Arrestor 90V 0...3GHz | | 1 |

**Outdoor performance, indoors**

BEXIA is a DVB-T / T2 indoor antenna with a clean and sleek design, with technology used to achieve the performance of an outdoor antenna. BEXIA does not have to be aligned to the signal, and also impresses with a certain power consumption.



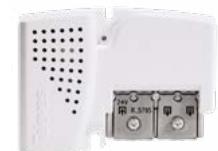
▲ 130220



▲ 130121



▲ 5501



▲ 5795



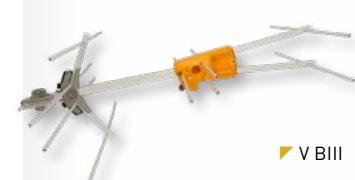
TV DISTRIBUTION

TERRESTRIAL ANTENNAS

Televes

| Ref. | Description | | |
|--------------------------------|---|---------------|--|
| PASSIVE | | | |
| VHF AND MIXED | | | |
| FM antenna | | | |
| 1201 | FM Terrestrial Antenna 88...108MHz Circular G 1dBi | ● 1/5 | |
| BIII or DAB antenna | | | |
| 1050 | BIII/DAB Terrestrial Antenna 174...240MHz 3 Elements G 8dBi (Single Packing) | ● 1 | |
| 105001 | BIII/DAB Terrestrial Antenna 174...240MHz 3 Elements G 8dBi (Multiple Packing) | ● 5 | |
| 106501 | BIII Terrestrial Antenna (Ch5-12) 7 Elements G 9.5dBi (Single packing) | ● 1 | |
| 106601 | V BIII Terrestrial Antenna (Ch5-12) 10 Elements G 9dBi (Single packing) | ● 1/6 | |
| VHF/UHF antenna (mixed) | | | |
| 111840 | Yagi Edge MIX Antenna [C5-12/21-60] G 2/10dBi (Multiple packing) | LTE790 ● 15 | |
| 111842 | Yagi Edge MIX Antenna [C5-12/21-60] G 2/10dBi (Single Packing) | LTE790 ● 1/10 | |
| V Zenit MIX antenna | | | |
| 149321 | V ZENIT MIX Terrestrial Antenna BIII/UHF (Ch 5-12 / 21-48) G 8.5/15dBi (Single packing) | LTE700 ● 1/6 | |
| 149322 | V ZENIT MIX Terrestrial Antenna BIII/UHF (Ch 5-12 / 21-48) G 8.5/15dBi (Multiple packing) | LTE700 ● 9 | |
| 149381 | V ZENIT MIX Terrestrial Antenna HighVHF/UHF (Ch7-13/14-51) G 8.5/15dBi (Single packing) | LTE700 ● 1/6 | |
| UHF | | | |
| Yagi antenna | | | |
| 111942 | Yagi Edge Terrestrial Antenna UHF (Ch21-60) 12 Elements G 10dBi (Single Packing) | LTE790 ● 1/10 | |
| L antenna | | | |
| 112120 | L 700 Terrestrial Antenna UHF (Ch21-48) 18 Elements G 13dBi | LTE700 ● 6 | |
| 112121 | L 700 Terrestrial Antenna UHF (Ch21-48) 18 Elements G 13dBi Black | LTE700 ● 6 | |
| V Zenit antenna | | | |
| 149221 | V ZENIT Terrestrial Antenna UHF (Ch21-48) G 15dBi (Single packing) | LTE700 ● 1/6 | |
| 149222 | V ZENIT Terrestrial Antenna UHF (Ch21-48) G 15dBi (Multiple packing) | LTE700 ● 9 | |
| 149223 | V ZENIT Terrestrial Antenna UHF (Ch21-48) G 15dBi (Multiple Packing) Black | LTE700 ● 9 | |
| Panel Antenna | | | |
| 108320 | Panel Terrestrial Antenna UHF (Ch21-48) 4 Dipoles G 13dBi | LTE700 ● 1 | |
| TELECOMMUNICATION | | | |
| 1/4-wave mobile antenna | | | |
| 6620 | Mobile antenna 1/4 FM 68...174MHz Stainless steel 115cm | 20 | |
| 6632 | Mobile antenna 1/4 wave VHF 144..470MHz stainless steel, 52cm | 8 | |

| Ref. | Description | | |
|--------------------------|---|-----|--|
| MOBILE DATA (LTE) | | | |
| 4G | | | |
| 650101 | 4GNOVA Antenna 4G/LTE 698...960/1700...2700MHz G 7dBi [0.7m Female "N"] | ○ 1 | |
| 650102 | 4GNOVA Antenna 4G/LTE 698...960/1700...2700MHz G 7dBi [7.5m Male "SMA"] | ○ 1 | |
| 650302 | Kit: 2x 4G/LTE MIMO Antenna "SMA" 698...960/1700...2700MHz G 1/3,5dBi | ● 1 | |



▲ 650302



TV DISTRIBUTION

SATELLITE DISHES

| Ref. | Description | |
|--|--|---|
| ALUMINIUM OFFSET SATELLITE DISHES | | |
| QSD SERIES | | |
| QSD75 | | |
| 7902 | QSD High Quality Offset Dish 75 Aluminium G 38.5dBi (750x850mm) Orange | ● 1 |
| 790204 | QSD High Quality Offset Dish 75 Aluminium G 38.5dBi (750x850mm) White | ○ 1 |
| 790241 | QSD High Quality Offset Dish 75 Aluminium G 38.5dBi (750x850mm) White (Multiple packing) | ○ 25 |
| QSD85 | | |
| 7903 | QSD High Quality Offset Dish 85 Aluminium G 39.5dBi (850x950mm) Orange | ● 1 |
| 790304 | QSD High Quality Offset Dish 85 Aluminium G 39.5dBi (850x950mm) White | ○ 1 |
| 790341 | QSD High Quality Offset Dish 85 Aluminium G 39.5dBi (850x950mm) White (Multiple packing) | ○ 30 |
| ISD SERIES | | |
| 630 | | |
| 793001 | ISD Offset Dish 630 Aluminium G 36.2dBi Orange | ● 1 |
| 793002 | ISD Offset Dish 630 Aluminium G 36.2dBi White | ○ 1 |
| 793003 | ISD Offset Dish 630 Aluminium G 36.2dBi Graphite | ● 1 |
| 793004 | ISD Offset Dish 630 Aluminium G 36.2dBi Red-brick | ● 1 |
| 793011 | ISD Offset Dish 630 Aluminium G 36.2dBi Orange (Multiple packing) | ● 10 |
| 793012 | ISD Offset Dish 630 Aluminium G 36.2dBi White (Multiple packing) | ○ 10 |
| 793013 | ISD Offset Dish 630 Aluminium G 36.2dBi Graphite (Multiple packing) | ● 10 |
| 793014 | ISD Offset Dish 630 Aluminium G 36.2dBi Red-brick (Multiple packing) | ● 10 |
| 830 | | |
| 793101 | ISD Offset Dish 830 Aluminium G 39dBi Orange | ● 1 |
| 793102 | ISD Offset Dish 830 Aluminium G 39dBi White | ○ 1 |
| 793103 | ISD Offset Dish 830 Aluminium G 39dBi Graphite | ● 1 |
| 793104 | ISD Offset Dish 830 Aluminium G 39dBi Red-brick | ● 1 |
| 793111 | ISD Offset Dish 830 Aluminium G 39dBi Orange (Multiple packing) | ● 5 |
| 793112 | ISD Offset Dish 830 Aluminium G 39dBi White (Multiple packing) | ○ 5 |
| 793113 | ISD Offset Dish 830 Aluminium G 39dBi Graphite (Multiple packing) | ● 5 |
| 793114 | ISD Offset Dish 830 Aluminium G 39dBi Red-brick (Multiple packing) | ● 5 |
| LARGE DISH SIZE | | |
| 1300 | | |
| 757401 | Offset Dish 1300 Aluminium G 42dBi White | ○ 1 |



| Compatibility between supports & dishes | | | | | | | |
|---|------|------|------|--------|--------|------|--------|
| Ø Support | 35 | 45 | | 48 | 60 | | |
| Dishes | 7393 | 7349 | 7371 | 719202 | 757602 | 7576 | 719201 |
| ISD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QSD | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Other typical sizes | | | | | | | |
| 600 | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ |
| 800 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1000 | ✗ | ✗ | ✗ | ✓ | ✗ | ✓ | ✓ |
| 1100 | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |
| 1300 | ✗ | ✗ | ✗ | ✗ | ✗ | ✓ | ✓ |



TV DISTRIBUTION SATELLITE DISHES

Televes

| Ref. | Description | |
|---------------------|---|-------|
| LNB | | |
| COAXIAL (RF) | | |
| Universal | | |
| 4332 | Offset LNB Twin [2 Outputs Hh/Vh/Hl/Vl] G 60dB [Blister T2] | 1 |
| 4365 | Offset LNB Single (Universal) Hh/Vh/Hl/Vl G 60dB [Blister T1] | 1/8 |
| 7475 | Offset LNB Single (Universal) Hh/Vh/Hl/Vl G 60dB | 1/100 |
| 747701 | Offset LNB Quattro Hh-Vh-Hl-Vl G 60dB | 1/30 |
| 747802 | Offset LNB Twin [2 Outputs Hh/Vh/Hl/Vl] G 60dB | 1/30 |
| 761001 | Offset LNB Quad [4 Outputs Hh/Vh/Hl/Vl] G 60dB | 1/30 |
| 761301 | Offset LNB Octo [8 Outputs Hh/Vh/Hl/Vl] G 60dB, Grey | 1/30 |
| WideBand | | |
| 747402 | WideBand LNB (2 Outputs H-V) G 57dB for Overlight solution | 1/50 |
| DLNB | | |
| Offset | | |
| 723301 | dLNB Programmer | 1 |
| 747322 | dLNB Offset 1 Output 8xSCR/dCSS+8xdCSS Dynamic, Gray | 1/30 |
| ACCESSORIES | | |
| 4163 | Outdoor Case Grey Large Model Dimensions: External 136x127x45mm Internal 125x97x35mm | 1/5 |
| 732150 | DC Cable "F" - "Jack" Female 0,4m | 1 |
| 7450 | Current Injector 10...2150MHz ...24Vdc-1.5A | 1/20 |
| 7485 | Line Amplifier 1i/1o "F": UHF/SAT[dc] G -2.5/20dB Vo 112.5dB μ V | 1/10 |
| 799001 | Satellite Dish Heater 250x250mm (2 panels). 230Vac power supply (Connection box and adapters included) | 1 |
| Ref. | Description | |



▲ 747402

LNB Wideband
It captures the entire frequency spectrum of a satellite and transmits it through two outputs (V-H) in a frequency range between 290 and 2340 MHz.



▲ 7475



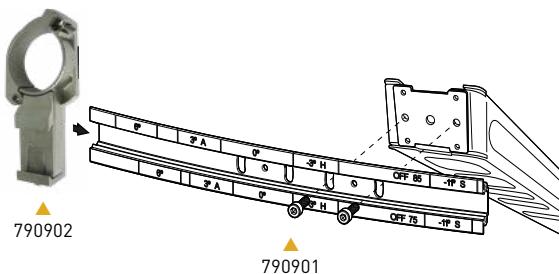
▲ 747701



▲ 747802

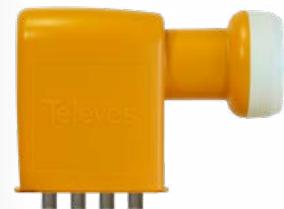
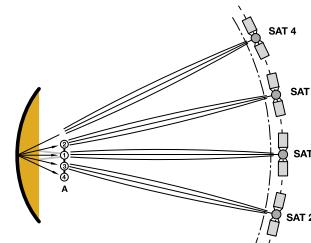


▲ 7485



790902

790901



▲ 761001



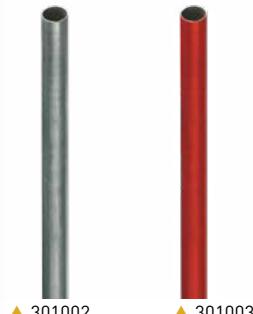
TV DISTRIBUTION

MECHANICAL ACCESSORIES

Ref. | Description

**MASTS****SINGLE MOUNTING****Hot-Dip Galvanizing**

| | | | |
|--------|--|--|---|
| 301002 | Mast HDG 3m x Ø 45mm x Thickness 2mm | | 4 |
| 301003 | Mast HDG+Red 3m x Ø 45mm x Thickness 2mm | | 1 |
| 301011 | Mast HDG 1m x Ø 48mm x Thickness 2mm | | 1 |
| 301012 | Mast HDG 2m x Ø 48mm x Thickness 2mm | | 1 |
| 301013 | Mast HDG 3m x Ø 48mm x Thickness 2mm | | 1 |
| 301022 | Mast HDG 2m x Ø 60mm x Thickness 2mm | | 1 |
| 301023 | Mast HDG 3m x Ø 60mm x Thickness 2mm | | 1 |
| 301025 | Mast HDG 3m x Ø 60mm x Thickness 3mm | | 1 |

**SCREW MOUNTING****Zinc+RCP**

| | | | |
|------|---|--|---|
| 2407 | Mast Zinc+RCP 1.5m x Ø 35mm x Thickness 1.5mm | | 8 |
| 3008 | Mast Zinc+RCP 2.5m x Ø 35mm x Thickness 1.5mm | | 6 |
| 3009 | Mast Zinc+RCP 2.5m x Ø 40mm x Thickness 2mm | | 1 |
| 3010 | Mast Zinc+RCP 3m x Ø 45mm x Thickness 2mm | | 1 |
| 3042 | Mast Zinc+RCP 2.5m x Ø 35mm x Thickness 1mm | | 1 |
| 3072 | Mast Zinc+RCP 3m x Ø 40mm x Thickness 2mm | | 1 |

Zinc+Painting

| | | | |
|--------|---|--|---|
| 3075 | Mast Zinc+Red 3m x Ø 45mm x Thickness 2mm | | 1 |
| 307502 | Mast Zinc+White 3m x Ø 45mm x Thickness 2mm | | 1 |

Hot-Dip Galvanizing

| | | | |
|--------|--|--|---|
| 300810 | Mast HDG 2.5m x Ø 35mm x Thickness 1.5mm | | 6 |
|--------|--|--|---|

SWAGED**Zinc+RCP**

| | | | |
|------|---|--|---|
| 3040 | Swaged Mast Zinc+RCP 1.5m x Ø 40mm x Thickness 1.25mm | | 6 |
| 3041 | Swaged Mast Zinc+RCP 2m x Ø 40mm x Thickness 1.25mm | | 4 |

Hot-Dip Galvanizing

| | | | |
|--------|---|--|---|
| 301035 | Swaged Mast HDG 1.2m x Ø 38mm x Thickness 1.5mm | | 8 |
| 301036 | Swaged Mast HDG 1.5m x Ø 38mm x Thickness 1.5mm | | 6 |
| 301037 | Swaged Mast HDG 2m x Ø 38mm x Thickness 1.5mm | | 6 |
| 301038 | Swaged Mast HDG 3m x Ø 38mm x Thickness 1.5mm | | 4 |
| 301046 | Swaged Mast HDG 1.2m x Ø 50mm x Thickness 2mm | | 4 |
| 301047 | Swaged Mast HDG 2m x Ø 50mm x Thickness 2mm | | 4 |
| 301048 | Swaged Mast HDG 3m x Ø 50mm x Thickness 2mm | | 4 |



▲ 301046



▲ 243810

ELBOWED**Hot-Dip Galvanizing**

| | | | |
|--------|---------------------------------|--|----------|
| 243810 | Angled Mast HDG 1x0.3m x Ø 50mm | | 1/25/250 |
|--------|---------------------------------|--|----------|

FIXING ACCESSORIES

| | | | |
|------|---|--|-----|
| 2047 | Jaw Clamp Zinc+RCP for Masts Up Ø 25...45mm | | 10 |
| 2408 | Saddle & Clamp Zinc+RCP for Guy Wire, Inner Ø46mm | | 10 |
| 2413 | Mast Clamp Zinc+RCP Ø35mm | | 6 |
| 4361 | Guy Wire Mounting Kit Ø 45mm | | 1/5 |
| 4951 | Mast Clamp Zinc+RCP Ø 25...45mm (Blister T1) | | 1/8 |
| 4952 | "U" Bolt for Mast Clamp Ø 25...45mm (Blister T1) | | 1 |
| 4953 | Mast Clamp with Coach Screw Ø30...50 mm | | 12 |



▲ 2047



▲ 2408



▲ 2413



▲ 4361



TV DISTRIBUTION

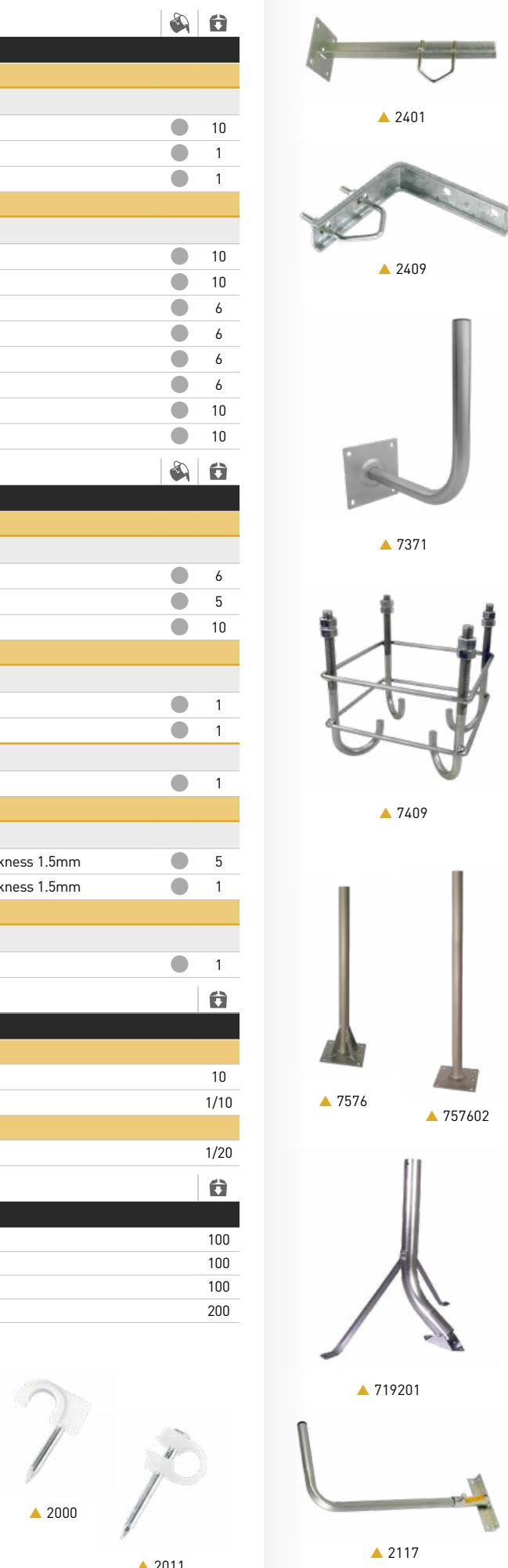
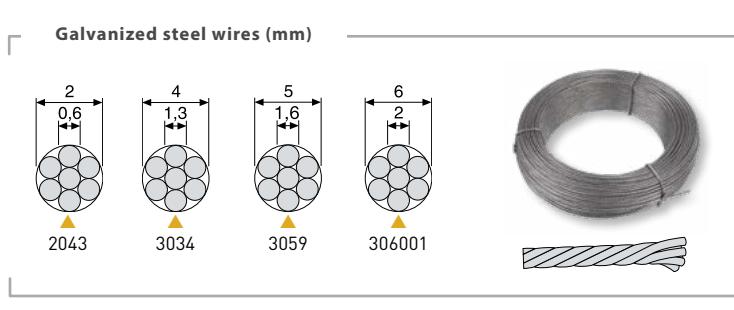
MECHANICAL ACCESSORIES

Televes

| Ref. | Description | |
|------------------------------------|--|----|
| BRACKETS FOR MASTS | | |
| CHIMNEY | | |
| Zinc+RCP | | |
| 2412 | Corner Piece Zinc+RCP for Chimney | 10 |
| 2414 | Tubular Mast Bracket Zinc+RCP for Chimney 415x345mm x Ø30mm | 1 |
| 2415 | Reinforced Mast Bracket Zinc+RCP for Chimney 396x400mm | 1 |
| WALL-BRACKET | | |
| Zinc+RCP | | |
| 2401 | "L" Mast Bracket Zinc+RCP for Bolting 300mm | 10 |
| 2403 | "W" Mast Bracket Zinc+RCP for Bolting 250mm | 10 |
| 2404 | "U" Mast Bracket Zinc+RCP for Bolting 500mm | 6 |
| 240410 | "U" Mast Bracket Zinc+RCP for Bolting 300mm | 6 |
| 2405 | "I" Mast Bracket Zinc+RCP for Embedding 350mm | 6 |
| 2406 | "U" Reinforced Mast Bracket Zinc+RCP for Embedding 500mm | 6 |
| 2409 | Angled Mast Bracket Zinc+RCP for Bolting 128mm | 10 |
| 2410 | "U" Reinforced Mast Bracket Zinc+RCP for Embedding 250mm | 10 |
| SUPPORTS FOR ANTENNAS | | |
| "L" TYPE | | |
| Zinc+RCP | | |
| 7349 | "L" Bracket Zinc+RCP Wall Mount 380x350mm / Ø 45mm x Thickness 1.5mm | 6 |
| 7371 | "L" Bracket Zinc+RCP Wall Mount 500x450mm / Ø 45mm x Thickness 2mm | 5 |
| 7393 | "L" Bracket Zinc+RCP Wall Mount 284x194mm / Ø 35mm x Thickness 1.5mm | 10 |
| FLOOR MOUNT | | |
| Zinc+RCP | | |
| 7409 | Embedded Base Zinc+RCP for Ref.7576 or 757602, Height 200mm | 1 |
| 7576 | "T" Bracket Zinc+RCP Ground Mount 750x200mm / Ø 60mm x Thickness 2.9mm | 1 |
| Hot-Dip Galvanizing | | |
| 757602 | "T" Bracket H.D.G. Ground Mount 1000x200mm / Ø48mm x Thickness 2.9mm | 1 |
| "Y" TYPE FOR WALL AND FLOOR | | |
| Galvanized | | |
| 719201 | "Y" Bracket Galvanized Wall/Ground Mount 551x439mm or 620x247mm / Ø 60mm x Thickness 1.5mm | 5 |
| 719202 | "Y" Bracket Galvanized Wall/Ground Mount 728x473mm or 720x481mm / Ø 45mm x Thickness 1.5mm | 1 |
| FOR WINDOW | | |
| Zinc+RCP | | |
| 2117 | Mast Clamp Zinc+RCP for Window 586x300mm x Ø30mm | 1 |

| Ref. | Description | |
|------------------------------|---|------|
| COAXIAL CABLE STAPLES | | |
| OPENED | | |
| 2000 | Opened Staple for Coaxial Cable (100 units) | 10 |
| 4360 | Opened Staple for Coaxial Cable (25 units) (Bag B1) | 1/10 |
| CLOSED | | |
| 2011 | Closed Staple for Coaxial Cable (100 units) | 1/20 |

| Ref. | Description | |
|---------------------|-----------------------------|-----|
| STEEL CABLES | | |
| 2043 | Galvanized Steel Wire Ø 2mm | 100 |
| 3034 | Galvanized Steel Wire Ø 4mm | 100 |
| 3059 | Galvanized Steel Wire Ø 5mm | 100 |
| 306001 | Galvanized Steel Wire Ø 6mm | 200 |





TV DISTRIBUTION

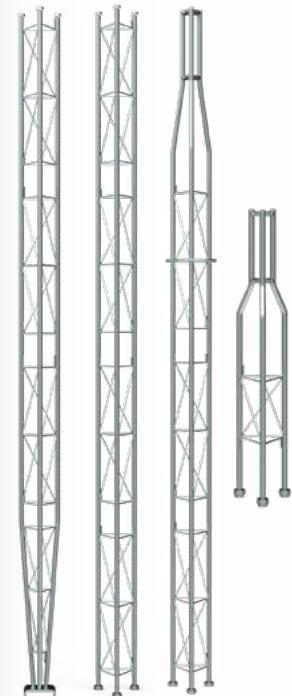
TOWERS

| Ref. | Description | |
|---------------------------------------|---|-----|
| FOR COMMON USE | | |
| PACK TOWER | | |
| 306501 | "Pack" Tower Galvanized+Orange 2.2m (Mast and Accessories included) | 1/1 |
| 180 SE TOWER | | |
| Zinc + RCP | | |
| 3014 | Upper Section 180 SE Tower Zinc+RCP 1.25m (mast Ømax 46mm) | 1 |
| 3015 | Upper Section 180 SE Tower Zinc+RCP 2.5m, with Wire Ring (mast Ømax 46mm) | 1 |
| 3017 | Middle Section 180 SE Tower Zinc+RCP 2.5m | 1 |
| Accessories | | |
| 3019 | Fixed Embedded Base 180 SE Tower Zinc+RCP | 1 |
| 3020 | Fixed Bolting Base 180 SE Tower Zinc+RCP | 1 |
| Ref. | Description | |
| MULTIFUNCTION | | |
| 180 TOWER | | |
| Zinc + RCP | | |
| 3021 | Upper Section 180 Tower Zinc+RCP 1m (mast Ømax 46mm) | 1 |
| 3031 | Middle Section 180 Tower Zinc+RCP 3m | 1 |
| 3032 | Upper Section 180 Tower Zinc+RCP 3m (mast Ømax 46mm) | 1 |
| 3037 | Lower Section Pivoting 180 Tower Zinc+RCP 3m | 1 |
| Zinc + Painting | | |
| 303102 | Middle Section 180 Tower Zinc+White 3m | 1 |
| 303202 | Upper Section 180 Tower Zinc+White 3m (mast Ømax 46mm) | 1 |
| Hot-Dip Galvanizing | | |
| 303101 | Middle Section 180 Tower H.D.G. 3m | 1 |
| 303201 | Upper Section 180 Tower HDG 3m (mast Ømax 46mm) | 1 |
| 303701 | Lower Section Pivoting 180 Tower HDG 3m | 1 |
| Hot-Dip Galvanizing + Painting | | |
| 303103 | Middle Section 180 Tower HDG+White 3m | 1 |
| 303203 | Upper Section 180 Tower HDG+White 3m (mast Ømax 46mm) | 1 |
| Accessories | | |
| 3029 | Embedded Frame 180 Tower Zinc+RPR for Fixed Base (Ref. 3038xx) | 1 |
| 3034 | Galvanized Steel Wire Ø 4mm | 100 |
| 3038 | Fixed Bolting/Embedded (with frame) Base 180 Tower Zinc+RCP | 1 |
| 303801 | Fixed Bolting/Embedded (with frame) Base 180 Tower HDG | 1 |
| 303802 | Fixed Bolting/Embedded (with frame) Base 180 Tower Zinc+White | 1 |
| 303803 | Fixed Bolting/Embedded (with frame) Base 180 Tower HDG+White | 1 |
| 3048 | Pivoting Embedded Base 180 Tower Zinc+ RCP | 1 |
| 304801 | Pivoting Embedded Base 180 Tower HDG | 1 |
| 3058 | Guy Wire Ring 180/360 Tower Zinc+RCP | 20 |
| 305801 | Guy Wire Ring 180/360 Tower HDG | 20 |
| Q1500 TOWER | | |
| 3049 | Q1500 Tower Kit Stainless Steel 14.5m Stainless Steel Accessories included (Guy Wire at 1.5m) | 1 |
| 304910 | Q1500 Tower Bases Stainless Steel (1 tower base & 3 guy wire bases) | 1 |



▲ Pack Tower (Ref. 306501)

Compatible with support Ref. 7349.



▲ 180 Sections



3029 (frame)



3038xx

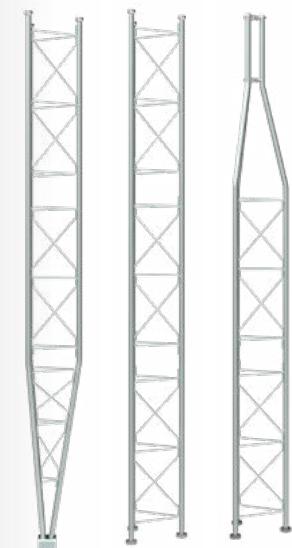
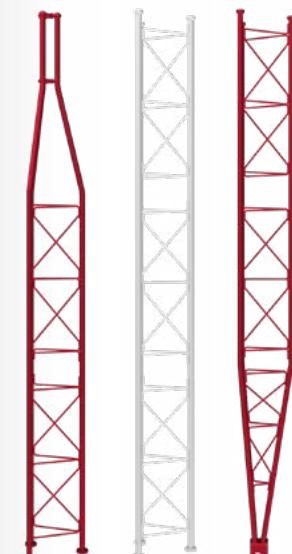
▲ Q1500 Tower (Stainless Steel)
(Ref. 3049 + Ref. 304910)



TV DISTRIBUTION TOWERS

Televes

| Ref. | Description | |
|---------------------------------------|--|-----|
| MULTIFUNCTION | | |
| 360 TOWER | | |
| Zinc + RCP | | |
| 3085 | Upper Section 360 Tower Zinc+RCP 3m (mast Ømax 52mm) | 1 |
| 3086 | Lower Section Pivoting 360 Tower Zinc+RCP 3m | 1 |
| 3087 | Middle Section 360 Tower Zinc+RCP 3m | 1 |
| Zinc + Painting | | |
| 308501 | Upper Section 360 Tower Zinc+Red 3m (mast Ømax 52mm) | 1 |
| 308502 | Upper Section 360 Tower Zinc+White 3m (mast Ømax 52mm) | 1 |
| 308601 | Lower Section Pivoting 360 Tower Zinc+Red 3m | 1 |
| 308602 | Lower Section Pivoting 360 Tower Zinc+White 3m | 1 |
| 308701 | Middle Section 360 Tower Zinc+Red 3m | 1 |
| 308702 | Middle Section 360 Tower Zinc+White 3m | 1 |
| Hot-Dip Galvanizing | | |
| 308503 | Upper Section 360 Tower HDG 3m (mast Ømax 52mm) | 1 |
| 308603 | Lower Section Pivoting 360 Tower HDG 3m | 1 |
| 308703 | Middle Section 360 Tower HDG 3m | 1 |
| Hot-Dip Galvanizing + Painting | | |
| 308504 | Upper Section 360 Tower HDG+Red 3m (mast Ømax 52mm) | 1 |
| 308604 | Lower Section Pivoting 360 Tower HDG+Red 3m | 1 |
| 308605 | Lower Section Pivoting 360 Tower HDG+White 3m | 1 |
| 308704 | Middle Section 360 Tower HDG+Red 3m | 1 |
| 308705 | Middle Section 360 Tower HDG+White 3m | 1 |
| Accessories | | |
| 3058 | Guy Wire Ring 180/360 Tower Zinc+RCP | 20 |
| 305801 | Guy Wire Ring 180/360 Tower HDG | 20 |
| 3059 | Galvanized Steel Wire Ø 5mm | 100 |
| 308001 | Fixed Bolting Base 360 Tower HDG | 1 |
| 3088 | Pivoting Embedded Base 360 Tower Zinc+RCP | 1 |
| 308801 | Pivoting Embedded Base 360 Tower HDG | 1 |
| 3089 | Fixed Embedded Base 360 Tower Zinc+RCP | 1 |
| 308901 | Fixed Embedded Base 360 Tower HDG | 1 |
| 690306 | 360 Tower Support HDG for 4 Maxi Floodlights | 1 |



▲ 360 Section

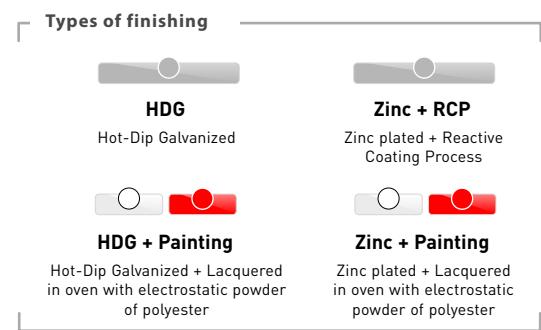


3088xx

3089xx



308001

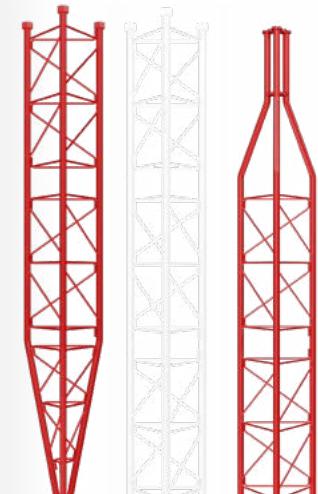




TV DISTRIBUTION

TOWERS

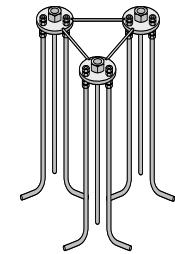
| Ref. | Description | |
|---------------------------------------|---|-----|
| WIND INDUSTRY | | |
| 450 TOWER | | |
| Zinc + Painting | | |
| 3130 | Lower Section Pivoting Reinforced 450 Tower Zinc+Red 3m | ● 1 |
| 3131 | Middle Section 450 Tower Zinc+Red 3m | ● 1 |
| 313101 | Middle Section 450 Tower Zinc+White 3m | ○ 1 |
| 3132 | Middle Section Reinforced 450 Tower Zinc+Red 3m | ● 1 |
| 313201 | Middle Section Reinforced 450 Tower Zinc+White 3m | ○ 1 |
| 3133 | Upper Section 450 Tower Zinc+Red 3m | ● 1 |
| Hot-Dip Galvanizing + Painting | | |
| 313001 | Lower Section Pivoting Reinforced 450 Tower HDG+Red 3m | ● 1 |
| 313102 | Middle Section 450 Tower HDG+Red 3m | ● 1 |
| 313103 | Middle Section 450 Tower HDG+White 3m | ○ 1 |
| 313202 | Middle Section Reinforced 450 Tower HDG+Red 3m | ● 1 |
| 313203 | Middle Section Reinforced 450 Tower HDG+White 3m | ○ 1 |
| 313301 | Upper Section 450 Tower HDG+Red 3m (mast Ømax 62mm) | ● 1 |
| Accessories | | |
| 306001 | Galvanized Steel Wire Ø 6mm | 200 |
| 312901 | Surface Plate 450/550 Tower for Pivoting Base (Refs. 3134xx & 3142xx) Zinc+RCP | ● 1 |
| 312902 | Surface Plate 450/550 Tower for Pivoting Base (Refs. 3134xx & 3142xx) HDG | ● 1 |
| 3134 | Pivoting Embedded/Bolting (with plate) Base 450 Tower Zinc+Red | ● 1 |
| 313401 | Pivoting Embedded/Bolting (with plate) Base 450 Tower H.D.G.+Red | ● 1 |
| 313501 | Fixed Embedded Base 450 Tower Zinc+RCP | ● 1 |
| 313502 | Fixed Embedded Base 450 Tower HDG | ● 1 |
| 3144 | Guy Wire Ring 450/550 Tower Zinc+RCP | ● 1 |
| 314401 | Guy Wire Ring 450/550 Tower HDG | ● 1 |
| 690307 | 450 Tower Support HDG for 4 Maxi Floodlights | ● 1 |
| 690308 | 450 Tower Support HDG for 6 Maxi Floodlights | ● 1 |
| 550 TOWER | | |
| Zinc + Painting | | |
| 313901 | Lower Section Pivoting 550 Tower Zinc+Red 3m | ● 1 |
| 3140 | Middle Section 550 Tower Zinc+Red 3m | ● 1 |
| 314001 | Middle Section 550 Tower Zinc+White 3m | ○ 1 |
| 3141 | Transition Section 550 to 450 Tower Zinc+Red 3m | ● 1 |
| Hot-Dip Galvanizing + Painting | | |
| 313902 | Lower Section Pivoting 550 Tower HDG+Red 3m | ● 1 |
| 314002 | Middle Section 550 Tower HDG+Red 3m | ● 1 |
| 314003 | Middle Section 550 Tower HDG+White 3m | ○ 1 |
| 314101 | Transition Section 550 to 450 Tower HDG+Red 3m | ● 1 |
| Accessories | | |
| 306001 | Galvanized Steel Wire Ø 6mm | 200 |
| 312901 | Surface Plate 450/550 Tower for Pivoting Base (Refs. 3134xx & 3142xx) Zinc+RCP | ● 1 |
| 312902 | Surface Plate 450/550 Tower for Pivoting Base (Refs. 3134xx & 3142xx) HDG | ● 1 |
| 3142 | Pivoting Embedded/Bolting (with plate) Base 550 Tower Zinc+Red | ● 1 |
| 314201 | Pivoting Embedded/Bolting (with plate) Base 550/550XL Tower HDG+Red | ● 1 |
| 3143 | Fixed Embedded Base 550 Tower Zinc+RCP | ● 1 |
| 314301 | Fixed Embedded Base 550 Tower HDG | ● 1 |
| 3144 | Guy Wire Ring 450/550 Tower Zinc+RCP | ● 1 |
| 314401 | Guy Wire Ring 450/550 Tower HDG | ● 1 |



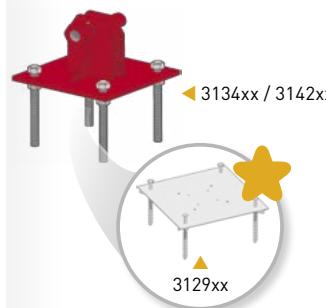
▲ 450 Section



▲ 550 Section



3135xx / 3143xx



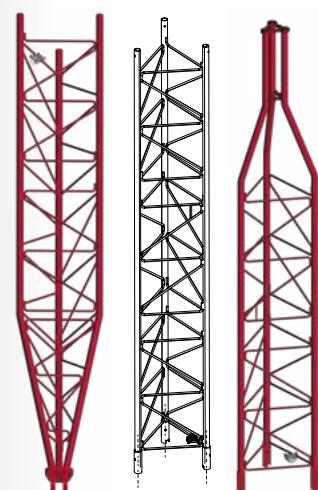
3129xx



TV DISTRIBUTION TOWERS

Televes

| Ref. | Description | |
|---------------------------------------|---|-----|
| WIND INDUSTRY | | |
| 450 XL TOWER | | |
| Hot-Dip Galvanizing + Painting | | |
| 313011 | Lower Section Pivoting Reinforced 450XL Tower HDG+Red 3m | ● 1 |
| 313112 | Middle Section 450XL Tower HDG+Red 3m | ● 1 |
| 313113 | Middle Section 450XL Tower HDG+White 3m | ○ 1 |
| 313212 | Middle Section Reinforced 450XL Tower HDG+Red 3m | ● 1 |
| 313213 | Middle Section Reinforced 450XL Tower HDG+White 3m | ○ 1 |
| 313311 | Upper Section 450XL Tower HDG+Red 3m (mast Ømax 62mm) | ● 1 |
| 313321 | Upper Section 450XL Tower HDG+Red 1m (mast Ømax 62mm) | ● 1 |
| 313331 | Top Mast Holder 450XL Tower HDG+Red 0.5m (mast Ømax 62mm) | ● 1 |
| 313341 | Upper Section 450XL Tower HDG+Red 2m (mast Ømax 62mm) | ● 1 |
| Accessories | | |
| 312911 | Surface Plate 450XL/550XL/550ULTRA Tower for Pivoting Base (Refs. 313412 & 314201/10) HDG | ● 1 |
| 313412 | Pivoting Embedded/Bolting (with plate) Base 450XL Tower HDG+Red | ● 1 |
| 3144 | Guy Wire Ring 450/550 Tower Zinc+RCP | ● 1 |
| 314401 | Guy Wire Ring 450/550 Tower HDG | ● 1 |
| 314502 | Buried Plate 450XL/550XL Tower with Guy Wire Ring HDG 1x1m | ● 1 |
| 314512 | Buried Plate 450XL/550XL Tower with Guy Wire Ring HDG 1.5x1.5m | ● 1 |
| 314550 | Climbing Protection Plate 450XL Tower HDG (3 units) | ● 1 |
| 550 XL TOWER | | |
| Hot-Dip Galvanizing + Painting | | |
| 313820 | Upper Section 550XL Reinforced Tower HDG+Red 3m (mast Ømax 62mm) | ● 1 |
| 313921 | Lower Section Pivoting Reinforced 550XL Tower HDG+Red 3m | ● 1 |
| 314020 | Middle Section Reinforced 550XL Tower HDG+Red 3m | ● 1 |
| 314021 | Middle Section Reinforced 550XL Tower HDG+White 3m | ○ 1 |
| Accessories | | |
| 312911 | Surface Plate 450XL/550XL/550ULTRA Tower for Pivoting Base (Refs. 313412 & 314201/10) HDG | ● 1 |
| 314201 | Pivoting Embedded/Bolting (with plate) Base 550/550XL Tower HDG+Red | ● 1 |
| 3144 | Guy Wire Ring 450/550 Tower Zinc+RCP | ● 1 |
| 314401 | Guy Wire Ring 450/550 Tower HDG | ● 1 |
| 314502 | Buried Plate 450XL/550XL Tower with Guy Wire Ring HDG 1x1m | ● 1 |
| 314512 | Buried Plate 450XL/550XL Tower with Guy Wire Ring HDG 1.5x1.5m | ● 1 |
| 550 ULTRA TOWER | | |
| Hot-Dip Galvanizing + Painting | | |
| 313810 | Top Mast Holder 550ULTRA Reinforced Tower HDG+Red 0.25m (mast Ømax 62mm) | ● 1 |
| 313911 | Lower Section Pivoting 550ULTRA Reinforced Tower HDG+Red 3m | ● 1 |
| 314010 | Middle Section 550ULTRA Reinforced Tower HDG+Red 3m | ● 1 |
| 314011 | Middle Section 550ULTRA Reinforced Tower HDG+White 3m | ○ 1 |
| Accessories | | |
| 312911 | Surface Plate 450XL/550XL/550ULTRA Tower for Pivoting Base (Refs. 313412 & 314201/10) HDG | ● 1 |
| 314210 | Pivoting Embedded Base 550ULTRA Reinforced Tower HDG+Red | ● 1 |
| 314401 | Guy Wire Ring 450/550 Tower HDG | ● 1 |



▲ 450XL/550XL Sections - Reinforced



▲ 550 ULTRA Sections - Reinforced



▲ 312911



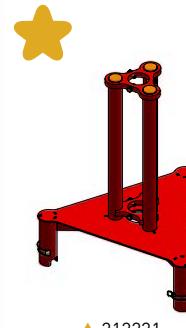
▲ 314201



▲ 314401



▲ 314550



▲ 313321

TV DISTRIBUTION

FILTERING AND AMPLIFICATION

| Ref. | Description | | |
|--|---|--------|----------|
| LTE FILTERS | | | |
| EASYF FORMAT | | | |
| 405202 | High Rejection LTE/5G Filter (HR) "EasyF" 47...694MHz VHF/UHF [Ch48] Outdoor | LTE700 | 1/10 |
| 405203 | High Rejection LTE/5G Filter (HR) "EasyF" 47...694MHz VHF/UHF [Ch48] Outdoor (DC Pass) | LTE700 | 1/10 |
| ★ 405220 | Very High Rejection LTE/5G Filter (VHR) "EasyF" 47...694MHz VHF/UHF [Ch48] Outdoor (DC Pass) | LTE700 | 1/10 |
| 405402 | High Rejection LTE/4G Filter (HR) "EasyF" 47...782MHz VHF/UHF [Ch59] Outdoor | LTE790 | 1/10 |
| PLUG-IN FORMAT | | | |
| connector | | | |
| 403201 | Medium Rejection LTE/5G Filter (MR) "F" 47...694MHz VHF/UHF [Ch48], Indoor (DC Pass) | LTE700 | 1/10/100 |
| 403220 | High Rejection LTE/5G Filter (HR) "F" 47...694MHz VHF/UHF [Ch48] Indoor | LTE700 | 1/10/50 |
| 403401 | High Rejection LTE/4G Filter (HR) "F" 47...790MHz VHF/UHF [Ch60] Indoor | LTE790 | 1/10 |
| 403402 | High Rejection LTE/4G Filter (HR) "F" 47...782MHz VHF/UHF [Ch59] Indoor | LTE790 | 10/50 |
| IEC connector | | | |
| 403210 | High Rejection LTE/5G Filter (HR) "IEC" 47...694MHz VHF/UHF [Ch48] Indoor | LTE700 | 1/10/50 |
| ★ 403211 | High Rejection LTE/5G Filter (HR) "IEC" 47...694MHz VHF/UHF [Ch48] Indoor (DC Pass) | LTE700 | 1/10/50 |
| 404401 | High Rejection LTE/4G Filter (HR) "IEC" 47...782MHz VHF/UHF [Ch59] Indoor | LTE790 | 10/50 |
| 404411 | Medium Rejection LTE/4G Filter (MR) "IEC" 470...774MHz UHF [Ch58] Indoor (Bag B3) | LTE790 | 1/10 |
| 404412 | High Rejection LTE/4G Filter (HR) "IEC" 47...790MHz VHF/UHF [Ch60] Indoor (Bag B3) | LTE790 | 1/10 |
| ACCESSORIES | | | |
| 4163 | Outdoor Case Grey Large Model Dimensions: External 136x127x45mm Internal 125x97x35mm | | 1/5 |
| Ref. | Description | | |
| COMBINERS | | | |
| MATV (TERRESTRIAL) | | | |
| 404010 | Mast Triplexer 3i/1o "EasyF": BI/FM-BIII/DAB-UHF[dc] | LTE790 | 1/10 |
| 404011 | Mast Triplexer 3i/1o "EasyF": BI/FM-BIII/DAB-UHF[dc], Outdoor Black | LTE790 | 1/10 |
| 404110 | Mast Triplexer 3i/1o "EasyF": VHF-UHF[dc]-UHF | LTE790 | 1/10 |
| 433401 | Mast Triplexer 3i/1o "EasyF": VHF-UHF[dc]-UHF (Blister T1) | LTE790 | 1/10 |
| SMATV (TERRESTRIAL + SATELLITE) | | | |
| 4340 | Combiner MATV-SAT 2i/1o "F": 47..790-950..2400MHz[dc] (Blister T1) | LTE790 | 1/6 |
| 740710 | Double Combiner [47...790/950...2400MHz[dc]] 3i/2o "F": SAT1-MATV-SAT2 / SAT1+MATV-SAT2+MATV | LTE790 | 1/10 |
| 745210 | Combiner MATV-SAT 2i/1o "F": 47..790-950..2400MHz[dc] | LTE790 | 1/10 |
| 745220 | Mini-Combiner MATV-SAT 2i/1o "F": 47..790-950..2400MHz[dc] | LTE790 | 10 |
| ACCESSORIES | | | |
| 4163 | Outdoor Case Grey Large Model Dimensions: External 136x127x45mm Internal 125x97x35mm | | 1/5 |
| 417801 | Outdoor Case Black Model for Mini Series Dimensions: External 88x78x39mm Internal 57x47x13mm | | 1/10 |



▲ 417801

▲ Mini-Combiner (745220)
57 x 47 x 13 mm

▲ 433401



▲ 740710



▲ 745210



▲ 4163



TV DISTRIBUTION

FILTERING AND AMPLIFICATION

| Ref. | Description | | |
|--|--|--------|--------|
| MAST AMPLIFIERS | | | |
| SMARTKOM: INTELLIGENT AMPLIFICATION | | | |
| ★ 531911 | SmartKom Intelligent Mast Amplifier with Autoprogramming 4/1o "EasyF": 3x(VHF/UHF)[dc]-FMmix G 45-(-1)dB Vo 85dB μ V. Domestic Power Supply 2i/1o "F" 12V-800mA included, with Bluetooth antenna | LTE700 | ● 1 |
| NANOKOM SERIES | | | |
| Terrestrial | | | |
| 561701 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-UHF-VHFMix G 28-28- (-1.5)dB Vo 108dB μ V 12...24V Powering (Switchable DC Pass) | LTE790 | ● 1/10 |
| 561721 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-UHF-VHFMix G 28-28- (-1.5)dB Vo 108dB μ V 12...24V Powering (Switchable DC Pass) | LTE700 | ● 1/10 |
| 561801 | NanoKom Mast Amplifier 3i/1o "EasyF": BIII-UHF[dc]-FMmix G 18-28- (-1.5)dB Vo 106/108dB μ V w/USOS 12...24V Powering (Switchable DC Pass) | LTE790 | ● 1/10 |
| 561821 | NanoKom Mast Amplifier 3i/1o "EasyF": BIII-UHF[dc]-FMmix G 18-28- (-1.5)dB Vo 106/108dB μ V w/USOS 12...24V Powering (Switchable DC Pass) | LTE700 | ● 1/10 |
| Terrestrial and satellite | | | |
| 561401 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF-UHF[dc]-SATmix[dc] G 28-28- (-2,5)dB Vo 108dB μ V 12...24V Powering (Switchable DC Pass) | LTE790 | ● 1 |
| 561421 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF-UHF[dc]-SATmix[dc] G 28-28- (-2,5)dB Vo 108dB μ V 12...24V Powering (Switchable DC Pass) | LTE700 | ● 1/10 |
| 561521 | NanoKom Mast Amplifier 3i/1o "EasyF": BIII/UHF[dc]-FMmix-SATmix[dc] G 18/28- (-1,5) - (-2,5)dB Vo 106/108dB μ V w/USOS 12...24V Powering (Switchable DC Pass) | LTE700 | ● 1/10 |
| 561621 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-VHFMix-SATmix[dc] G 24- (-1,5) - (-2,5)dB Vo 104dB μ V w/USOS 12...24V Powering (Switchable DC Pass) | LTE700 | ● 1/10 |
| TERRESTRIAL | | | |
| High gain | | | |
| 535340 | Mast Amplifier 3i/1o: UHF[ch][dc]-UHF[dc]-Vmix G 35-32- (-1,5)dB Vo 117dB μ V 12...24V Pow. | LTE790 | ● 1 |
| 535620 | Mast Amplifier 1i/1o "EasyF": FM/BIII/DAB/UHF[dc] G 15/32/32/36dB Vo 116dB μ V 24V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| 535720 | Mast Amplifier 3i/1o "EasyF": FM-BIII/DAB/UHF[dc] G 15-32/32-36dB Vo 116dB μ V 24V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| 535820 | Mast Amplifier 4i/1o "EasyF": FM-BIII/DAB-UHF-UHF[dc] G 15-32/32-36-36dB Vo 116dB μ V 24V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| 535840 | Mast Amplifier 4i/1o "EasyF": FM-BIII/DAB-UHF-UHF[dc] G 15-32/32-39-39dB Vo 116dB μ V 24V Pow. (Switchable DC Pass) | LTE790 | ● 1/5 |
| Low gain | | | |
| ★ 53552034 | Mast Amplifier 4i/1o "EasyF": BIII/DAB-21...30[dc]-34...48[dc]-UHF[dc] G 26-27-27-28dB Vo 114dB μ V 24V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| ★ 53552040 | Mast Amplifier 4i/1o "EasyF": BIII/DAB-21...38[dc]-42...48[dc]-UHF[dc] G 26-27-27-28dB Vo 114dB μ V 24V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| ★ 536022 | Mast Amplifier 2i/1o "EasyF": BIII/DAB/UHF[dc]-UHF[dc] G 26/26-28-28dB Vo 114 dB μ V 12V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| ★ 536023 | Mast Amplifier 3i/1o "EasyF": BIII/DAB-UHF-UHF[dc] G 26/26-28-28dB Vo 114 dB μ V 12V Pow. (Switchable DC Pass) | LTE700 | ● 1/5 |
| With BOSS-Tech | | | |
| 560121 | Mast Amplifier 3i/1o "F": FM-BIII/DAB-UHF G 18G 13-17-28dB Vo 108dB μ V w/BOSS-Tech. 12...24V Powering | LTE700 | ● 1/5 |
| IF-MIX SERIES | | | |
| 5354 | Mast Amplifier 2i/4o "EasyF": UHF/VHFMix[dc]-SATmix[dc] G 20/(-9) - (-12)dB Vo 93dB μ V 12...24V Pow. | | ● 1/5 |

Televes

SMARTKOM

Compact and intelligent amplifier with digital channel processing that allows automatic programming and level adjustment simply by pressing a button.

- Filtering, mixing, amplification and level balancing in a single device
- High channel selectivity
- Remote powering through its coaxial output connector (domestic power supply unit included)
- Manual configuration via Bluetooth with a smartphone (ASuite)



▲ Nanokom Series
90 x 80 x 38 mm



▲ High-gain Mast Amplifier
120 x 130 x 40 mm



TV DISTRIBUTION

FILTERING AND AMPLIFICATION

| Ref. | Description | |
|------------------------------------|---|------|
| DOMESTIC POWER SUPPLY UNITS | | |
| PICOKOM SERIES | | |
| 579401 | PicoKom Domestic Power Supply Unit 1i/2o "EasyF": 5...2400MHz 12V-200mA | 1/10 |
| 5795 | PicoKom Domestic Power Supply Unit 1i/2o "EasyF": 5...862MHz 24V-130mA | 1/10 |
| 5796 | PicoKom Domestic Power Supply Unit 1i/1o "EasyF" SATmix: 5...2400MHz 12V-220mA | 1/10 |
| F-CONNECTOR SERIES | | |
| 5501 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 12V-220mA [UK Plug] | 1 |
| 550101 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 12V-220mA | 1 |
| 550104 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 12V-220mA [110Vac & UL Listed] | 1 |
| 550210 | Domestic Power Supply Unit 2i/1o "F": 47...862/950...2150MHz 12V-800mA, with Bluetooth [for SmartKom] | 1 |
| 5504 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 24V-130mA | 1 |
| 550402 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 24V-130mA (Blister T1) | 1/8 |



▲ Domestic PSU: PicoKom series
90 x 68 x 28 mm

| Ref. | Description | |
|---|--|--------------|
| KITS: MAST AMPLIFIER WITH POWER SUPPLY | | |
| NANOKOM SERIES | | |
| Terrestrial | | |
| 568010 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-UHF-VHFmix + PicoKom PSU 1i/2o "EasyF" 24V-130mA (Refs.561721+5795) | LTE700 ● 1 |
| Terrestrial and satellite | | |
| 438620 | NanoKom Mast Amplifier 3i/1o "EasyF" VHFmix-UHF[dc]-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA [Refs.561621+5796] (Blister T1) | LTE700 ● 1/8 |
| 438640 | NanoKom Mast Amplifier 3i/1o "EasyF" VHFmix-UHF[dc]-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA [Refs.561601+5796] (Blister T1) | LTE790 ● 1/8 |
| 438820 | NanoKom Mast Amplifier 3i/1o "EasyF" BIII/UHF[dc]-FMmix-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA [Refs.561521+5796] (Blister T1) | LTE700 ● 1/8 |
| 567810 | NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-VHFmix-SATmix[dc] with USOS + PicoKom PSU 1i/2o "EasyF" 12V-200mA [Refs.561621+579401] | LTE700 ● 1 |
| TERRESTRIAL | | |
| Low gain | | |
| 536012 | Mast Amplifier 3i/1o "EasyF": BIII/DAB-UHF-UHF[dc] + PicoKom PSU 1i/2o "EasyF" 12V-200mA. Kit with Refs.: 536011 & 579401 | 700 790 ● 1 |
| F-CONNECTOR SERIES | | |
| 560383 | Mast Amplifier 1i/1o "F": LowVHF/HighVHF/UHF w/BOSS-Tech + Domest. PSU 1i/2o "F" 12V-220mA (Ref. 560331 & 550101) | LTE600 ● 1 |
| 560483 | Mast Amplifier 2i/1o "F": LowVHF/HighVHF/UHF w/BOSS-Tech + Domest. PSU 1i/2o "F" 12V-220mA (Ref. 560431 & 550101) | LTE600 ● 1 |



▲ Domestic Amplifier:
"F" Connector
145 x 35 x 45 mm



▲ 438820



TV DISTRIBUTION

FILTERING AND AMPLIFICATION

| Ref. | Description | |
|---|---|-------------|
| DOMESTIC AMPLIFIERS | | |
| PICOKOM SERIES | | |
| MATV (terrestrial) | | |
| 560521 | PicoKom Domestic Amplifier 1i/1o "EasyF": 47...694MHz G 14/20dB Vo 102/105dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA | LTE700 1/10 |
| 560522 | PicoKom Domestic Amplifier 1i/2o "EasyF": 47...694MHz G 10/16dB Vo 98/101dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA | LTE700 1/10 |
| 560523 | PicoKom Domestic Amplifier 1i/(2o+TV) "EasyF": 47...694MHz G 10/16dB Vo 98/101dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA | LTE700 1/10 |
| SMATV (terrestrial + satellite) | | |
| 560601 | PicoKom Domestic Amplif. 1i/2o "EasyF": 47..694/950..2150MHz G 12/23dB Vo 110/106dB μ V AGC +Preamplifier Powering 12V-150mA | LTE700 1/10 |
| IEC AND F CONNECTOR SERIES | | |
| MATV (terrestrial) | | |
| 545720 | Domestic Amplifier 1i/(2o+TV) "IEC": 47...694MHz G 20dB Vo 110dB μ V + Output to a TV Outlet G 12dB + Preamp.Pow. 12V-100mA (Blister T1) | LTE700 1/8 |
| 545801 | Auto-LTE Domestic Amplifier 1i/(2o+TV) "F": 47...694/790MHz G 20dB Vo 101dB μ V Auto-Adjustment + Output to a TV Outlet G 11dB + Preamplifier Powering 12V-100mA, UK plug (Blister T1) | AUTOLTE 1/8 |
| 545901 | Auto-LTE Domestic Amplifier 1i/(2o+TV) "F": 47...694/790MHz G 20dB Vo 101dB μ V w/USOS + Output to a TV Outlet G 11dB + Preamplifier Powering 12V-100mA | AUTOLTE 1 |
| 552120 | Domestic Amplifier 1i/2o "IEC": 47...694MHz G 22dB Vo 104dB μ V (Blister T1) | LTE700 1/8 |
| 552220 | Domestic Amplifier 1i/(2o+TV) "F": 47...694MHz G 20dB Vo 106dB μ V + Output to a TV Outlet G 12dB (Blister T1) | LTE700 1/8 |
| 552280 | Domestic Amplifier 1i/(2o+TV) "F": 47...698MHz G 20dB Vo 106dB μ V + Output to a TV Outlet G 12dB (110Vac & UL Listed) | LTE700 1 |
| 5523 | Domestic Amplifier 1i/(4o+TV) "F": 47...862MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 11dB (Blister T1) | 1/8 |
| 552320 | Domestic Amplifier 1i/(4o+TV) "F": 47...694MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 12dB (Blister T1) | LTE700 1/8 |
| 552380 | Domestic Amplifier 1i/(4o+TV) "F": 47...698MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 12dB (110Vac & UL Listed) | LTE700 1 |
| 552740 | Domestic Amplifier 1i/1o "IEC": 47...790MHz G 25dB Vo 112dB μ V (Blister T1) | LTE790 1/8 |
| 552840 | Domestic Amplifier 1i/(2o+TV) "IEC": 47...790MHz G 20dB Vo 104dB μ V + Output to a TV Outlet G 12dB (Blister T1) | LTE790 1/8 |
| 552940 | Domestic Amplifier 1i/(4o+TV) "IEC": 47..790MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 11dB (Blister T1) | LTE790 1/8 |
| 553120 | Domestic Amplifier 1i/6o "F": 47...694MHz G 14dB Vo 95dB μ V (Blister T1) | LTE700 1/8 |
| 553241 | Domestic Amplifier 1i/2o "F": 47...790MHz G 20dB Vo 110dB μ V + Pream.Pow. 12V-100mA | LTE790 1 |
| SMATV (terrestrial + satellite) | | |
| 553001 | Domestic Amplifier 1i/(2o+TV) "F": 5..65/88..862/950..2150MHz Gl-19/21dB Vo 111/114dB μ V +Output to a TV Outlet Gl-16/11/13dB (Blister T1) | 1/8 |
| CATV (return path + terrestrial) | | |
| 552001 | Domestic Amplifier 1i/(2o+TV) "F": 5..65/88..1006MHz G -7/21dB Vo 111dB μ V +Output to a TV Outlet G14dB (Passive Return)(Blister T1) | 1/8 |
| 5525 | Domestic Amplifier 1i/(2o+TV) "F": 5..65/87.5..862MHz G -7/18dB Vo 106dB μ V + Output to a TV Outlet G 12dB (Passive Ret.+Equaliser)(Blister T1) | 1/8 |
| 5526 | Domestic Amplifier 1i/(2o+TV) "F": 5..65/87.5..862MHz G 9/20dB Vo 107dB μ V +Output to a TV Outlet G13dB (Active Return) | 1/8 |
| 553304 | Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/25dB Vo 116dB μ V (Passive Ret.+Equaliser) (Blister T1) | 1/8 |
| 553504 | Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/35dB Vo 116dB μ V (Passive Ret.+Equaliser) (Blister T1) | 1/8 |
| Ref. | Description | |
| LAUNCH AMPLIFIERS | | |
| MINIKOM EASYF SERIES | | |
| MATV (terrestrial) | | |
| 562324 | MiniKom Amplifier MATV 5i/1o "EasyF": FM-VHF-UHF-21..35-39..48 G 15-(24 34)-(26 36)-(24 34)-(25 35) dB Vo 113-114-116-116dB μ V Preamp.Powering 12V-200mA (Switchable DC Pass) | LTE700 1 |
| 562325 | MiniKom Amplifier MATV 5i/1o "EasyF": FM-VHF-UHF-21..32-34..48 G 15-(24 34)-(26 36)-(24 34)-(25 35) dB Vo 113-114-116-116dB μ V Preamp.Powering 12V-200mA (Switchable DC Pass) | LTE700 1 |
| 562326 | MiniKom Amplifier MATV 5i/1o "EasyF": FM-VHF-UHF-21..38-42..48 G 15-(24 34)-(26 36)-(24 34)-(25 35) dB Vo 113-114-116-116dB μ V Preamp.Powering 12V-200mA (Switchable DC Pass) | LTE700 1 |
| 562422 | MiniKom Amplifier MATV 4i/1o "EasyF": FM-VHF-UHF-UHF G 15-(24 34)-(26 36)-(26 36)dB Vo 113-114-116-116dB μ V Preamplif.Powering 12V-200mA (Switchable DC Pass) | LTE700 1 |
| 562522 | MiniKom Amplifier MATV 3i/1o "EasyF": FM-VHF-UHF G 15-(24 34)-(26 36)dB Vo 113-114-116dB μ V Preamplif.Powering 12V-200mA (Switchable DC Pass) | LTE700 1 |
| SMATV (terrestrial + satellite) | | |
| 562221 | MiniKom Amplifier MATV+SAT 5i/1o "EasyF": FM-VHF-UHF-UHF-SAT G 15-(24 34)-(26 36)-(26 36)-42dB Vo 113-114-115-122dB μ V Preamplif.Powering 12V-200mA. Switchable DC Pass | LTE700 1 |
| 562621 | MiniKom Amplifier MATV+SAT 4i/1o "EasyF": FM-VHF-UHF-SAT G 15-(21 31)-(27 37)-35dB Vo 114-114-115-122dB μ V Preamplif.Powering 12V-200mA Switchable DC Pass | LTE700 1 |

Televes

SERIE PICOKOM

easyF

LTE
700
READYDimensions:
90 x 68 x 28 mm

Domestic amplifiers of pleasing design and limited size, with EasyF connection system. Equipped with automatic gain regulation and LTE700 filtering.

▲ Domestic Amplifier:
"IEC" Connector
145 x 35 x 45 mm▲ Domestic Amplifier:
"F" Connector
145 x 35 x 45 mm

MINIKOM EasyF SERIES

▲ Amplifiers
Dimensions: 100 x 100 x 50 mm

High efficiency launch / splitband amplifiers, with selectable gain and LTE rejection.

en.televes.com/minikom



TV DISTRIBUTION

FILTERING AND AMPLIFICATION

| Ref. | Description | |
|---|--|---|
| LAUNCH AMPLIFIERS | | |
| MINIKOM F SERIES | | |
| MATV (terrestrial) | | |
| 537302 | MiniKom Amplifier MATV 1i/1o "F": 47...454/470...862MHz G [20 30]/[28 38]dB Vo 113/116dB μ V | 1 |
| 537310 | MiniKom Amplifier MATV 1i/1o "F": 47...454/470...862MHz G [20 30]/[27 37]dB Vo 114/116dB μ V(110Vac & US Plug) | 1 |
| 539201 | MiniKom Amplifier MATV 4i/1o "F": FM-BIII/DAB-UHF-UHF G 15-[20 30]-[27 37]dB Vo 114-114-117-117dB μ V 12V-70mA Preampl.Pow. | 1 |
| SMATV (terrestrial + satellite) | | |
| 5363 | MiniKom Amplifier MATV + SAT 2i/1o "F": (47...862)-(950...2150)MHz G -1.5-35..45dB Vo(SAT) 124dB μ V | 1 |
| 536310 | MiniKom Amplifier MATV + SAT 2i/1o "F": (47...862)-(950...2150)MHz G -1.5-35..45dB Vo(SAT) 124dB μ V (110Vac & US Plug) | 1 |
| 539620 | MiniKom Amplifier MATV + SAT 4i/1o "F": FM-BIII-UHF-FI G 17-35-39-35..41dB Vo 110-113-114-124dB μ V 12V-70mA Preamplif.Pow. LTE700 | 1 |
| SMATV/CATV (return path + terrestrial + satellite) | | |
| 5317 | MiniKom Amplifier Return Path + MATV + 2SAT 2i/2o "F": (5..30/47..862/950..2150)-(950..2150)MHz G (for 2 outputs) -5/30..33/33..38dB Vo (MATV/SAT) 118/124dB μ V | 1 |
| 531710 | MiniKom Amplifier Return Path + MATV + SAT 1i/1o "F": 5..30/47..862/950..2150MHz G -5/35/33..38dB Vo (MATV/SAT) 120/123dB μ V | 1 |
| DTKOM SERIES | | |
| MATV (terrestrial) | | |
| 5338 | DTKom Amplifier MATV 1i/1o "F": 47...862MHz G [40 50]dB Vo 123dB μ V (Remote Powering 12V-50mA) | 1 |
| 534020 | DTKom Amplifier MATV 3i/1o "F": FM-BIII-UHF G 25-[32 42]-[32 42]dB Vo 123dB μ V 12V-50mA Preamplif. Powering LTE700 | 1 |
| 5341 | DTKom Amplifier MATV 5i/1o "F": FM-BIII-21..36-38..69-UHF G 25-[32 42]-[31 41]-[31 41]-[32 42]dB Vo 123dB μ V 12V-50mA Preamplif. Powering | 1 |
| 534120 | DTKom Amplifier MATV 5i/1o "F": FM-BIII-21..36-38..48-UHF G 25-[32 42]-[31 41]-[31 41]-[32 42]dB Vo 123dB μ V 12V-50mA Preamplif. Powering LTE700 | 1 |
| 534121 | DTKom Amplifier MATV 5i/1o "F": FM-BIII-21..32-36..48-UHF G 25-[32 42]-[31 41]-[31 41]-[32 42]dB Vo 123dB μ V 12V-50mA Preamplif. Powering LTE700 | 1 |
| SMATV/CATV (return path + terrestrial + satellite) | | |
| 533501 | DTKom Amplifier Return Path + MATV + SAT 1i/1o "F": 5..65/87..862/950..2150MHz G (-4 28 /38 50 42dB Vo 116/123/123dB μ V | 1 |
| 5337 | DTKom Amplifier Return Path + MATV + 2SAT 2i/2o "F": (5..65/87..862/950..2150MHz) - (950..2150MHz) G (for 2 outputs) (-5 27 /30 40 42dB Vo 115/120/120dB μ V | 1 |
| CATV (return path + terrestrial) | | |
| 451203 | DTKom Amplifier Return Path + MATV 1i/1o "F": 5..65/87...1006MHz G (-3 28 /30 40)dB Vo 118/129dB μ V | 1 |
| 451280 | DTKom Amplifier Return Path + MATV 1i/1o "F": 5..42/54...1002MHz G 28/[30 40]dB Vo 118/129dB μ V | 1 |
| OUTDOOR / INDOOR SERIES | | |
| CATV (return path + terrestrial) | | |
| 534501 | Outdoor/Indoor Amplifier configurable by PADs, 1i/1o: Return Path + MATV 40...1220MHz G 28/42dB Vo 114dB μ V 200...240Vac Powered, DOCSIS 3.1 compatible | 1 |
| 534510 | Kit: PAD Diplexor for Return Path 5...42MHz (2-unit + filter) | 2 |
| 534511 | Kit: PAD Diplexor for Return Path 5...85MHz (2-unit) | 2 |
| 534512 | Kit: PAD Diplexor for Return Path 5...204MHz (2-unit) | 2 |
| Accessories | | |
| 534520 | PAD Splitter 5...1220MHz 2W | 1 |
| 534530 | PAD Tap 5...1220MHz 2W 8dB | 1 |
| 534531 | PAD Tap 5...1220MHz 2W 14dB | 1 |
| MICROKOM SERIES | | |
| CATV (return path + terrestrial) | | |
| 534212 | MicroKom Amplifier Return Path + MATV 1i/1o "F": 5...65/85...1220MHz G G(- 20 /20 25)dB Vo 118/121 dB μ V | 1 |
| 534232 | MicroKom Amplifier Return Path + MATV 1i/1o "F": 5...85/105...1220MHz G G(- 20 /20 25)dB Vo 117/121 dB μ V | 1 |
| 534412 | MicroKom Amplifier Return Path + MATV 1i/1o "F": 5...65/85...1220MHz G G(- 28 /30 35)dB Vo 118/121 dB μ V | 1 |
| 534432 | MicroKom Amplifier Return Path + MATV 1i/1o "F": 5...85/105...1220MHz G G(- 28 /30 35)dB Vo 117/121 dB μ V | 1 |
| 534482 | Outdoor Amplifier MicroKom Return Path + MATV 1i/1o "F": 5..42/54...1220MHz G (0 28 /30 35)dB Vo 121dB μ V (US Plug) | 1 |
| 534483 | Outdoor Amplifier MicroKom Return Path + MATV 1i/1o "F": 5..42/54...1220MHz G (0 28 /30 35)dB Vo 121dB μ V | 1 |



▲ Amplifiers:
MiniKom "F" Series
185 x 112 x 70 mm



▲ Amplifiers: DTKom Series
284 x 140 x 50 mm



▲ Amplifier: Outdoor/Indoor Series
225 x 195 x 95 mm



▲ Amplifiers: MicroKom Series
190 x 88 x 35 mm



TV DISTRIBUTION

FILTERING AND AMPLIFICATION

Televes

| Ref. | Description | |
|---------------------------------|--|------------------|
| PROGRAMMABLE AMPLIFIERS | | |
| SMARTKOM | | |
| 531920 | SmartKom Intelligent Amplifier with Autoprogramming 5i/1o "F": 3xVHF/UHF[dc]-Fmmix-Fmix[dc] G 45(-1)(-2)dB Vo 85dB μ V | LTE700 1 |
| 531981 | SmartKom Intelligent Amplifier with Autoprogramming 3i/1o "F": 3xVHF/UHF[dc] G 45dB Vo 25dBmV. Domestic Power Supply 1i/1o "F": 12V-750mA included, with Bluetooth antenna (110Vac) | 1 |
| AVANT 6 | | |
| 532603 | Avant 6 with anti-LTE Filter: Programmable Amplifier with Digital Filtering (20 Filters) 4i/1o "F": FM-DAB-2xVHF/UHF G 19-50-55dB Vo 114-114-114dB μ V | TFORCE LTE700 1 |
| AVANT X | | |
| Avant X Basic | | |
| 532103 | Avant X Basic with anti-LTE Filter: Programmable Amplifier with Digital Filtering 5i/1o "F", 2 selectable modes: FM-4x(VHF/UHF) or FM-DAB-3xUHF G 29-75 or 29-72-75dB Vo 122-122 or 122-119-122dB μ V | TFORCE LTE700 1 |
| 532113 | Avant X Basic-Sat with anti-LTE Filter: Programmable Amplifier with Digital Filtering 6i/2o "F", 2 selectable modes: FM-4x(VHF/UHF)-SAT or FM-DAB-3xUHF-SAT G 25-71-41 or 25-68-71-41dB Vo 118-118-123 or 118-115-118-123dB μ V | TFORCE LTE700 1 |
| Avant X Pro | | |
| 532121 | Avant X Pro with Auto-LTE: Programmable Amplifier with Digital Processing/Filtering (32 Filters) 5i/1o "F": FM-4xVHF/UHF G 29-75dB Vo 122-122dB μ V (DVB-T/T2 Compatible) With Autoprogramming, Monitoring and Report Generation | TFORCE AUTOLTE 1 |
| 532123 | Avant X Pro with anti-LTE Filter: Programmable Amplifier with Digital Filtering 5i/1o "F", 2 selectable modes: FM-4x(VHF/UHF) or FM-DAB-3xUHF G 29-75 or 29-72-75dB Vo 122-122 or 122-119-122dB μ V Autoprogramming, Monitoring and Report PDF | TFORCE LTE700 1 |
| 532133 | Avant X Pro-Sat with anti-LTE Filter: Programmable Amplifier with Digital Filtering 6i/2o "F", 2 modes: FM-4x(VHF/UHF)-SAT or FM-DAB-3xUHF-SAT G 25-71-41 or 25-68-71-41dB Vo 118-118-123 or 118-115-118-123dB μ V Autoprogramming, Monitoring and PDF Report | TFORCE LTE700 1 |
| Avant X Americas Edition | | |
| 532180 | Avant X with Auto-LTE: Programmable Amplifier with Digital Processing/Filtering (32 Filters) 6i/1o "F": FM-4xVHFLow/VHFHigh/UHF G 21-75-40dB Vo 105-115-115dB μ V (ISDB-Tb/ATSC/DVB-T2 Compatible) | TFORCE AUTOLTE 1 |
| 532181 | Avant X: Programmable Amplifier with Digital Processing/Filtering (32 Filters) 6i/1o "F": FM-4xVHFLow/VHFHigh/UHF G 21-75-40dB Vo 105-115-115dB μ V (ISDB-Tb/ATSC/DVB-T2 Compatible) | TFORCE LTE700 1 |
| 532182 | Avant X: Programmable Amplifier with Digital Processing/Filtering (32 Filters) and Output Channelling Selection 6i/1o "F": FM-4xVHFLow/VHFHigh/UHF G 21-75-40dB Vo 105-115-115dB μ V (ISDB-Tb/ATSC/DVB-T2 Compatible) | TFORCE LTE700 1 |
| POWER SUPPLY UNITS | | |
| 732101 | Power Supply Unit 12V-0.8A | 1 |
| 994903 | Avant X Power Supply Unit 12V-1.5A | 1 |



Compact and intelligent amplifier with digital channel processing that allows automatic programming and level adjustment simply by pressing a button. It can be powered remotely through the coaxial distribution (output connector) using a domestic PSU or with the MSW distribution trunk lines already powered. It also allows local powering with an external power supply unit (Ref. 732101 recommended).

In addition, thanks to the built-in Bluetooth antenna, manual programming of the amplifier can be done wirelessly using a smartphone or tablet, with the ASuite application.

AVANT X PROGRAMMABLE HEADEND AMPLIFIER DIGITAL FILTERING AND PROCESSING



Internal filtering against LTE signals (4G/5G)

Compatible with **DVB-T, DVB-T2, ATSC, ISDB-T, ISdB-Tb**

TFORCE TECHNOLOGY Terrestrial signal level always stable and adapted to its optimum value



UP TO 32 INDIVIDUALLY PROGRAMMABLE FILTERS

Single channel digital filtering, even for adjacent channels



DIGITAL PROCESSING OF CHANNELS

Output channels can be frequency shifted



AUTOMATIC SIGNAL ADJUSTMENT IN EACH FILTER (AGC)

And output signal manual regulation



UHF/VHF DIGITAL FILTERS WITH HIGH SELECTIVITY

30dB rejection (@ 1MHz)



TV DISTRIBUTION

FILTERING AND AMPLIFICATION

Ref. Description

SINGLE-CHANNEL AMPLIFICATION**T12 SERIES****Single-channel amplifiers**

| | | | |
|--------|--|---------------|---|
| 508012 | T12 Amplifier SAT 950...2150MHz G 35...50dB Vo 124dB μ V | LTE700 | 1 |
| 508312 | T12 Single Channel Amplifier BIII 174...230MHz G 45dB Vo 123dB μ V | LTE700 | 1 |
| 508612 | T12 Single/Multi Channel Amplifier UHF DTT 470...862MHz G 50dB Vo 125dB μ V (Up to 5 Channels) | LTE700 | 1 |
| 509012 | T12 Single Channel Amplifier FM/DAB 87.5...108/174...230MHz G 40/48dB Vo 115/115dB μ V | LTE700 | 1 |
| 509812 | T12 Single Channel Amplifier High Selectivity UHF 470...862MHz G 50dB Vo 125dB μ V | LTE700 | 1 |



▲ 508612

Power supply unit

| | | |
|--------|---|---|
| 549812 | T12 Switch-mode Power Supply Unit 60W 24V-2.5A | 1 |
| 549880 | T12 Switch-mode Power Supply Unit 28W 24V-1.2A, US plug | 1 |

Ref. Description

COMPLEMENTS**ATTENUATORS**

| | | |
|--------|---|--------|
| 4005 | Adjustable Attenuator "F" 0 to 20dB 5...2200MHz DC Pass | 1/10 |
| 4315 | Adjustable Attenuator "IEC" Ø 9.5mm 1 to 25dB VHF/UHF DC Pass (Bag B1) | 1/10 |
| 5165 | Adjustable Attenuator "IEC" 0 to 20dB 40..860MHz DC Pass | 10/120 |
| 765380 | Adjustable Attenuator "F" 0 to 20dB HighVHF/UHF with LowVHF loop through, DC Pass | 1/10 |



▲ 549812/549880

FILTERS

| | | |
|------|---|------|
| 4007 | Notch Filter "F" UHF [Ch21-69] 1 Channel & 1 Adjustment | 1/10 |
|------|---|------|

LINE AMPLIFIERS

| | | | |
|--------|--|---------------|------|
| 400620 | Line Amplifier UHF 1/10 "F": 470...694MHz G 13dB Vo 98dB μ V (Plug-in) | LTE700 | 1/10 |
| 7485 | Line Amplifier 1/10 "F": UHF/SAT[dc] G -2.5/20dB Vo 112.5dB μ V | 1/10 | |



▲ 5072

ELECTRICAL PROTECTION

| | | |
|--------|---|-----|
| 401101 | Earth Bar 5xConnectors "F" | 1/5 |
| 401102 | Earth Bar 6xConnectors "F" | 1/5 |
| 401103 | Earth Bar 7xConnectors "F" | 1/5 |
| 401104 | Earth Bar 9xConnectors "F" | 1/5 |
| 401105 | Earth Bar 11xConnectors "F" | 1/5 |
| 401106 | Earth Bar 13xConnectors "F" | 1/5 |
| 401107 | Earth Bar 17xConnectors "F" | 1/5 |
| 401108 | Earth Bar 21xConnectors "F" | 1/5 |
| 401109 | Earth Bar 27xConnectors "F" | 1/5 |
| 494702 | Coaxial Atmospheric Surge Arrestor 90V 0...3GHz | 1 |
| 494710 | Kit: 4xSurge Arrestor and Earth bar, 9x"F" Female | 1 |
| 494711 | Kit: 11xSurge Arrestor and Earth bar, 11x"F" Female | 1 |



▲ 5069

SUPPORTS AND CABINETS

| | | |
|--------|---|---|
| 5069 | Lockable Cabinet 648mm (1 PSU + 14 T12/T05 Modules) | 1 |
| 5071 | Wall Mount 498mm (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 5072 | Lockable Cabinet 498mm (1 PSU + 10 Modules T12/T05) | 1 |
| 5239 | Wall Mount 560mm (1 PSU + 8 T.0X Modules or 12 T12/T05 Modules) | 1 |
| 5301 | 19" Rack Frame 484mm 5RU (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 567201 | Wall Mount 275mm 5RU, Depth: 260mm (1 PSU + 4 T.0X Modules) | 1 |
| 567202 | Wall Mount 275mm 5RU, Depth: 170mm (1 PSU + 4 T.0X Modules) | 1 |
| 5750 | Cabinet for Headend Amplifier 440x440x140mm | 1 |



▲ 4315

ACCESSORIES

| | | |
|--------|--|--------|
| 216810 | OTG USB C-microUSB B Cable Male-Male 1m Black for Avant X/6 (Bag B2) | 1 |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4071 | DC Blocker "F" | 10 |
| 5074 | T12 "F" Connector Link Push Fit Type, 40.8mm | 10 |
| 7234 | Universal Programmer T.0X/T05/AVANT | 1 |



TV DISTRIBUTION PROCESSING HEADENDS

Televes

| Ref. | Description | |
|--|---|---|
| T.0X SERIES | | |
| TRANSMODULATORS: SATELLITE INPUT (SMATV) | | |
| IP output | | |
| 565801 | T.0X Streamer DVBS/S2-IP CI [Multicast/Unicast, SPTS] Multiplexer: 3 Transponders(2Sat) or 3 Transponders(1Sat+LoopThru) : 32 IP Streams | 1 |
| 565840 | T.0X Streamer DVBS/S2-IP CI [Multicast/Unicast, SPTS] Multiplexer: 3 Transponders(2Sat) or 3 Transponders(1Sat+LoopThru) : 32 IP Streams Pro:Idiom re-encryption for DRM solution | 1 |
| Digital Terrestrial Output | | |
| 563101 | T.0X Transmodulator DVBS/S2-COFDM (47...862MHz) | 1 |
| 563301 | T.0X Transmodulator DVBS/S2-COFDM CI (47...862MHz) | 1 |
| 564201 | T.0X Transmodulator DVBS/S2-COFDM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :1Ch or 3 Transponders(1Sat+LoopThru) :1Ch | 1 |
| 564203 | T.0X Transmodulator DVBS/S2-COFDM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat): 1 Ch or 3 Transponders(1Sat+LoopThru): 1 Ch VSecure re-encryption | 1 |
| 564260 | T.0X Transmodulator DVBS/S2-ISDBTb CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :1Ch or 3 Transponders(1Sat+LoopThru) :1Ch | 1 |
| 564301 | T.0X Twin Transmodulator DVBS/S2-COFDM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :2Ch or 3 Transponders(1Sat+LoopThru) :2Ch | 1 |
| Digital Cable Output | | |
| 563001 | T.0X Twin Transmodulator DVBS/S2-QAM (47...862MHz) | 1 |
| 564101 | T.0X Transmodulator DVBS/S2-QAM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :1Ch or 3 Transponders(1Sat+LoopThru) :1Ch | 1 |
| 564401 | T.0X Twin Transmodulator DVBS/S2-QAM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :2Ch or 3 Transponders(1Sat+LoopThru) :2Ch | 1 |
| 564501 | T.0X Hexa Transmodulator DVBS/S2-QAM (47...862MHz) | 1 |
| TRANSMODULATORS: DIGITAL TERRESTRIAL INPUT (MATV) | | |
| IP output | | |
| 565701 | T.0X Streamer DVB-T/T2-IP CI [Multicast/Unicast, SPTS] Multiplexer: 4 Channels (DVB-T/T2) : 32 IP Streams | 1 |
| 565740 | T.0X Streamer DVB-T/T2-IP CI [Multicast/Unicast, SPTS] Multiplexer: 4 Channels (DVB-T/T2) : 32 IP Streams Pro:Idiom re-encryption for DRM solution | 1 |
| ENCODERS: AUDIO/VIDEO INPUT | | |
| Digital Terrestrial Output | | |
| 563833 | T.0X Encoder/Modulator Twin, 2i: HDMI / Component (YPbPr) - 1Mux: ISDB-Tb/DVB-T (MPEG2/4) | 1 |
| Digital Cable Output | | |
| 563802 | T.0X Encoder/Modulator Quad, 4i A/V: CVBS - 1Mux: QAM (MPEG2/4) | 1 |
| 563803 | T.0X Encoder/Modulator Twin, 2i: HDMI / Component(YPbPr) - 1Mux: QAM (MPEG2/4) | 1 |
| Digital Terrestrial or Cable Output | | |
| 563822 | T.0X Encoder/Modulator Quad, 4i A/V: CVBS - 1Mux: COFDM/QAM (MPEG2/4) | 1 |
| 563832 | T.0X Encoder/Modulator Twin, 2i: HDMI / Component (YPbPr) - 1Mux: COFDM/QAM (MPEG2/4) | 1 |
| 566001 | T.0X Encoder/Modulator Single 1i: HDMI / Component(YPbPr) / CVBS - 1Mux: COFDM/QAM (MPEG2/4) (Standalone support + PSU 18V included) | 1 |
| Digital Terrestrial or Cable Output and IP | | |
| 563805 | T.0X Encoder/Modulator IP Twin (MPEG2/4), 2 Modes: 2i: HDMI / Component(YPbPr) - 1Mux: IP/QAM (Annex B) 2i: HDMI / Component(YPbPr) / IP - 1Mux: QAM (Annex B) | 1 |
| 563852 | T.0X Encoder/Modulator IP Twin (MPEG2/4), 2 Modes: 2i: HDMI / Component(YPbPr) / CVBS - 1Mux: IP/COFDM/QAM 2i: HDMI / Component(YPbPr) / CVBS / IP - 1Mux: COFDM/QAM | 1 |
| ENCODERS: AUDIO/VIDEO INPUT AND IP | | |
| Digital Terrestrial or Cable Output | | |
| 563805 | T.0X Encoder/Modulator IP Twin (MPEG2/4), 2 Modes: 2i: HDMI / Component(YPbPr) - 1Mux: IP/QAM (Annex B) 2i: HDMI / Component(YPbPr) / IP - 1Mux: QAM (Annex B) | 1 |
| 563852 | T.0X Encoder/Modulator IP Twin (MPEG2/4), 2 Modes: 2i: HDMI / Component(YPbPr) / CVBS - 1Mux: IP/COFDM/QAM 2i: HDMI / Component(YPbPr) / CVBS / IP - 1Mux: COFDM/QAM | 1 |
| ENCODERS: IP INPUT | | |
| Digital Cable Output | | |
| 563201 | T.0X Encoder/Modulator IP, 1i: 12 IP Streams (HLS) - 1 Mux: QAM (Annex B) | 1 |

STREAMERS T.0X IP

Streamers generating an IP encapsulated output from the multiplexing of the services available in:

- Up to 3 different TV SAT transponders: Ref. 5658xx.
- 4 different DVB-T or DVB-T2 muxes: Ref. 5657xx.

In addition, modules 565840/565740 has the option to re-encrypt the IP services decrypted by the CAM with a DRM Pro: Idiom solution (Digital Rights Management), for secure delivery of contents.



Generate your own DTT content in High Definition.



IP streams with HLS protocol, widely used in media players, web browsers and streaming media servers



TV DISTRIBUTION PROCESSING HEADENDS

| Ref. | Description | |
|--------------------------------------|--|--------|
| T.0X SERIES | | |
| MODULATORS: AUDIO/VIDEO INPUT | | |
| Analogue Output | | |
| 5806 | T.0X Twin Modulator Analogue A/V-PAL Stereo [VSB 47...862MHz] | 1 |
| 580602 | T.0X Twin Modulator Analogue A/V-NTSC Stereo [VSB 47...862MHz] | 1 |
| 580612 | T.0X Twin Modulator Analogue A/V-NTSC Mono [VSB 47...862MHz] | 1 |
| A/D CHANNEL PROCESSORS | | |
| 564901 | T.0X Twin Processor Analogue/Digital Channel (47...862MHz) | 1 |
| HEADEND CONTROL | | |
| CDC Modules | | |
| 5559 | T.0X Headend Management Unit CDC IP | 1 |
| 555911 | T.0X Headend Management Control CDC IP/3G | 1 |
| AUXILIARY EQUIPMENT | | |
| Amplifier | | |
| 5575 | T.0X Amplifier Push-Pull 47...862MHz G 44dB Vo 120dB μ V | 1 |
| Power Supply Units | | |
| 562802 | Power Supply Unit 38.4W 24V-1.6A (T.0X standalone mounting) | 1 |
| 5629 | T.0X Switch-mode Power Supply Unit 120W 24V-5A | 1 |
| 562910 | T.0X Switch-mode Power Supply Unit 60W 24V-2.5A | 1 |
| 563901 | T.0X Switch-mode Power Supply Unit 120W 24V-5An(110Vac & UL Listed) | 1 |
| Combiner | | |
| 565002 | Combiner 7i/1o: 5...1002MHz, 19" Rack Mount, 1RU | 2 |
| 565090 | Filter / Combiner 8i/1o: 54...862MHz, 19" Rack Mount, 1RU | 5 |
| Supports and enclosures | | |
| 5071 | Wall Mount 498mm (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 507203 | Lockable Cabinet with Forced Ventilation 448mm (1 PSU + 7 T.0X Modules) | 1 |
| 507204 | Lockable Cabinet with Forced Ventilation 327mm (1 PSU + 4 T.0X Modules) | 1 |
| 5239 | Wall Mount 560mm (1 PSU + 8 T.0X Modules or 12 T12/T05 Modules) | 1 |
| 5301 | 19" Rack Frame 484mm 5RU (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 567201 | Wall Mount 275mm 5RU, Depth: 260mm (1 PSU + 4 T.0X Modules) | 1 |
| 567202 | Wall Mount 275mm 5RU, Depth: 170mm (1 PSU + 4 T.0X Modules) | 1 |
| 567401 | Standalone Support (1 T.0X Module) | 10 |
| Programmer | | |
| 7234 | Universal Programmer T.0X/T05/AVANT | 1 |
| Accessories | | |
| 216801 | Kit: PC-Module Cable & USB-Serial Adapter. Utilities: TSuite (T.0X, T05) | 1 |
| 216802 | Kit: OTG USB - microUSB B Cable & WiFi Adapter.nUtilities: Streamers T.0X WiFi Control | 1 |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4071 | DC Blocker "F" | 10 |
| 422601 | Patch Cable for Powering T.0X from T05 0.4m | 1/5 |
| 494702 | Coaxial Atmospheric Surge Arrestor 90V 0...3GHz | 1 |
| 5673 | T.0X Blank Plate 50mm - 5RU | 1 |

| Ref. | Description | |
|--------------------------------|-------------|--|
| K20 COMPACT HEADEND | | |
| SATELLITE INPUT (SMATV) | | |

| Ref. | Description | |
|-----------------------------|---|---|
| Cable Digital Output | | |
| 570101 | K20 Compact Headend DVBS2-QAM [47...862MHz] 8 Transponders | 1 |
| 570102 | K20 Compact Headend DVBS2-QAM [47...862MHz] 12 Transponders | 1 |
| 570103 | K20 Compact Headend DVBS2-QAM [47...862MHz] 16 Transponders | 1 |
| 570104 | K20 Compact Headend DVBS2-QAM [47...862MHz] 20 Transponders (Ref.570101 + Ref.570102) | 1 |
| 570105 | K20 Compact Headend DVBS2-QAM [47...862MHz] 24 Transponders (Ref.570101 + Ref.570103) | 1 |

| Ref. | Description | |
|--------------------------------------|-------------|--|
| OTHER | | |
| MODULATORS: AUDIO/VIDEO INPUT | | |

| Ref. | Description | |
|------------------------|--|---|
| Analogue Output | | |
| 585915 | Analogue Modulator Octo PAL B/G (VHF/UHF) Wall mount (USB-microUSB OTG cable included) | 1 |
| 585981 | Analogue Modulator Octo NTSC M-N (CATV) Wall mount (USB-microUSB OTG cable included) | 1 |



▲ 5559



▲ 507204

▲ 507203
(T.0X units not included)

▲ 5239



▲ 5301



▲ 567201



TV DISTRIBUTION OPTICAL FIBER

Televes

| Ref. | Description | |
|---|---|--------|
| T.0X SERIES | | |
| OPTICAL TRANSMITTERS | | |
| Forward path TX | | |
| 233306 | T.0X Optical Transmitter SMATV 1310nm "SC/APC" Po 6dBm w/o Return Path | 1 |
| 233311 | T.0X Optical Transmitter SMATV 1310nm "SC/APC" Po 10dBm w/o Return Path | 1 |
| 234305 | T.0X Optical Transmitter SMATV 1550nm "SC/APC" Po 5dBm w/o Return Path | 1 |
| 234801 | T.0X Optical Transmitter CATV 1310nm "SC/APC" Po 10dBm w/o Return Path RF Automatic Adjustment and Temperature Stability | 1 |
| 234811 | T.0X Optical Transmitter CATV 1550nm "SC/APC" Po 10dBm w/o Return Path RF Automatic Adjustment and Temperature Stability | 1 |
| OPTICAL RECEIVERS | | |
| Forward path RX / Return path TX | | |
| 2335 | T.0X Optical Receiver SMATV 1200...1600nm "SC/APC" w/o Return Path | 1 |
| 233501 | T.0X Optical Receiver SMATV 1200...1600nm "SC/APC" w/o Return Path, 54...2150MHz | 1 |
| 2336 | T.0X Optical Receiver SMATV 1200...1600nm "SC/APC" with Return Path Optical Transmitter 1310nm Po 3dBm | 1 |
| Return path RX | | |
| 234901 | T.0X Return Path Optical Receiver [5...300MHz] 1270...1650nm "SC/APC", with AGC | 1 |
| AUXILIARY EQUIPMENT | | |
| Amplifiers | | |
| 234220 | T.0X Optical Amplifier 1i/1o: 1550nm "SC/APC" 20dBm (EDFA Technology) | 1 |
| 234221 | T.0X Optical Amplifier / Multiplexer "SC/APC" 19dBm (EDFA Technology) 2i: 1310/1490nm - 1550nm, 1o: 1310/1490/1550nm | 1 |
| 234228 | T.0X Optical Amplifier / Multiplexer "SC/APC" 20dBm (YEDFA Technology) 9i: 8x1310/1490nm - 1x1550nm, 8o: 8x1310/1490/1550nm | 1 |
| Power supply units | | |
| 562802 | Power Supply Unit 38.4W 24V-1.6A (T.0X standalone mounting) | 1 |
| 5629 | T.0X Switch-mode Power Supply Unit 120W 24V-5A | 1 |
| 562910 | T.0X Switch-mode Power Supply Unit 60W 24V-2.5A | 1 |
| 563901 | T.0X Switch-mode Power Supply Unit 120W 24V-5A (110Vac & UL Listed) | 1 |
| Splitters | | |
| 2337 | T.0X Optical Splitter 1260...1650nm "SC/APC" 2W 4dB | 1 |
| 2339 | T.0X Optical Splitter 1260...1650nm "SC/APC" 4W 7dB | 1 |
| 234401 | T.0X Optical Splitter 1260...1650nm "SC/APC" 8W 10dB | 1 |
| 234501 | T.0X Optical Splitter 1260...1650nm "SC/APC" 16W 14dB | 1 |
| 234601 | T.0X Optical Splitter 1260...1650nm "SC/APC" 32W 17dB | 1 |
| Multiplexers (WDM) | | |
| 234701 | T.0X Optical Multiplexer / Demultiplexer 1i/2o "SC/APC": GPON+RF: Data (1310/1490nm) - TV (1550nm) | 1 |
| 234702 | T.0X Optical Multiplexer / Demultiplexer 1i/2o "SC/APC": RFoG: Uplink (1610nm) - Downlink (1550nm) | 1 |
| Mounts and housings | | |
| 5071 | Wall Mount 498mm (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 507203 | Lockable Cabinet with Forced Ventilation 448mm (1 PSU + 7 T.0X Modules) | 1 |
| 507204 | Lockable Cabinet with Forced Ventilation 327mm (1 PSU + 4 T.0X Modules) | 1 |
| 5239 | Wall Mount 560mm (1 PSU + 8 T.0X Modules or 12 T12/T05 Modules) | 1 |
| 5301 | 19" Rack Frame 484mm 5RU (1 PSU + 7 T.0X Modules or 10 T12/T05 Modules) | 1 |
| 567201 | Wall Mount 275mm 5RU, Depth: 260mm (1 PSU + 4 T.0X Modules) | 1 |
| 567202 | Wall Mount 275mm 5RU, Depth: 170mm (1 PSU + 4 T.0X Modules) | 1 |
| Accessories | | |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4071 | DC Blocker "F" | 10 |
| 5673 | T.0X Blank Plate 50mm - 5RU | 1 |
| Ref. | Description | |
| 19" RACK FORMAT | | |
| OPTICAL TRANSMITTERS | | |
| Forward path TX | | |
| 769801 | Optical Transmitter SMATV 1550nm "SC/APC" Po 5dBm w/o Return Path 19" Rack Mount, 1RU | 1 |
| 769812 | Optical Transmitter CATV 1550nm "SC/APC" Po 6dBm w/o Return Path External modulation and RF Automatic Adjustment (up to 30Km). DOCSIS 3.1 compatible 19" Rack Mount, 1RU | 1 |
| 769902 | Optical Transmitter SMATV 1310nm "SC/APC" Po 6dBm w/o Return Path, 19" Rack Mount, 1RU | 1 |
| 769903 | Optical Transmitter SMATV 1310nm "SC/APC" Po 10dBm w/o Return Path, 19" Rack Mount, 1RU | 1 |



▲ 234801/234811



▲ 234228



▲ 234701 ▲ 234702



▲ 769901



▲ 769903



TV DISTRIBUTION OPTICAL FIBER

| Ref. | Description | |
|---|--|---|
| 19" RACK FORMAT | | |
| AMPLIFIERS | | |
| 769610 | Optical Amplifier / Multiplexer "SC/APC" 20dBm (YEDFA Technology) 9i: 8x1310/1490nm - 1x1550nm, 8o: 8x1310/1490/1550nm + Double Power Supply Unit -48Vdc. 19" Rack Mount, 1RU (for OLT) | 1 |
| 769611 | Optical Amplifier / Multiplexer "SC/APC" 20dBm (YEDFA Technology) 33i: 32x1310/1490nm - 1x1550nm, 32o: 32x1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 2RU | 1 |
| 769612 | Optical Amplifier / Multiplexer "SC/APC" 17dBm (YEDFA Technology) 9i: 8x1310/1490nm - 1x1550nm, 8o: 8x1310/1490/1550nm + Double Power Supply Unit -48Vdc. 19" Rack Mount, 1RU (for OLT) | 1 |
| 769620 | Optical Amplifier 1i/1o: 1550nm "SC/APC" 20dBm (EDFA Technology) + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769622 | Optical Amplifier 1i/8o: 1550nm "SC/APC" 10dBm (EDFA Technology) + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769623 | Optical Amplifier 1i/8o: 1550nm "SC/APC" 20dBm (YEDFA Technology) + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769630 | Optical Amplifier / Multiplexer "SC/APC" 20dBm (EDFA Technology) 2i:1x1310/1490nm - 1x1550nm, 1o:1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769631 | Optical Amplifier / Multiplexer "SC/APC" 14dBm (EDFA Technology) 5i:4x1310/1490nm - 1x1550nm, 4o:1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| 769632 | Optical Amplifier / Multiplexer "SC/APC" 10dBm (EDFA Technology) 9i:8x1310/1490nm - 1x1550nm, 8o:1310/1490/1550nm + Double Power Supply Unit. 19" Rack Mount, 1RU | 1 |
| Ref. Description | | |
| STAND-ALONE INSTALLATION (FIBERKOM SERIES) | | |
| OPTICAL TRANSMITTERS | | |
| Forward path Tx | | |
| 238201 | FiberKom Optical Transmitter SMATV 1310nm "SC/APC" Po 3dBm w/o Return Path (Remote Powering) | 1 |
| OPTICAL NODE SOLUTIONS | | |
| NODES | | |
| With return path (node) | | |
| 231080 | Outdoor Optical Node 1200...1600nm "SC/APC" Selectable Return Path 1310nm: 5... 42/300MHz (2 Fiber) with Amplifier 2o: 54...1220MHz DOCSIS 3.1 Compatible. OLC Technology (Local Powering)[US plug] | 1 |
| Without return path (receiver) | | |
| 231201 | Outdoor Optical Receiver 1200...1600nm "SC/APC" without Return Path with Amplifier 1o: 87...862/950...2150MHz (Local Powering) | 1 |
| 231220 | Outdoor Optical Receiver 1200...1600nm "SC/APC" without Return Path (1 Fiber) with Amplifier 2o: 40...1006MHz, OLC Technology (Local Powering) | 1 |
| 231282 | Outdoor Optical Receiver 1200...1600nm "SC/APC" without Return Path (1 Fiber) with Amplifier 2o: 54...1006MHz, OLC Technology (Local Powering)[US plug] | 1 |
| MINI-NODES (FIBERKOM SERIES) | | |
| With return path (mini-node) | | |
| 238001 | FiberKom Optical Mini-node 1200...1600nm "SC/APC" Return Path 1310nm (2 Fibers) with Amplifier 87...1220MHz DOCSIS 3.1 Compatible. OLC Technology (Local Powering) | 1 |
| 238004 | FiberKom Optical Mini-node 1550nm "SC/APC" Return Path 1610nm (1 Fiber) with Amplifier 105...1220MHz DOCSIS 3.1 Compatible. OLC Technology (Remote Powering) | 1 |
| 238005 | FiberKom Optical Mini-node 1550nm "SC/APC" Return Path 1610nm (1 Fiber) with Amplifier 105...1220MHz DOCSIS 3.1 Compatible. OLC Technology (Local Powering) | 1 |
| 238081 | FiberKom Optical Mini-node 1200...1600nm "SC/APC" Return Path 1310nm (2 Fibers) with Amplifier 54...1006MHz, OLC Technology (Local Powering, US Plug) | 1 |
| 238083 | FiberKom Optical Mini-node 1550nm "SC/APC" Return Path 1610nm (1 Fiber) with Amplifier 54...1006MHz. OLC Technology (Local or Remote Powering, US Plug) | 1 |
| Without return path (mini-receiver) | | |
| 238079 | FiberKom Optical Mini-receiver 1200...1600nm "SC/APC" without Return Path (1 Fiber) with Amplifier 47...1006MHz, OLC Technology (Local Powering) | 1 |
| 238101 | FiberKom Optical Mini-receiver 1200...1600nm "SC/APC" without Return Path (1 Fiber) with Amplifier 47...1006MHz, OLC Technology (Remote Powering) | 1 |
| MICRO-NODES | | |
| Without return path (micro-receiver) | | |
| 2311 | Domestic Optical Receiver 1200...1600nm "SC/APC" with Amplifier 87...862/950...2400MHz with Automatic Adjustment | 1 |
| 231110 | Domestic Optical Receiver 1200...1600nm "SC/APC" with Amplifier 47...1006MHz, OLC Technology | 1 |
| 231111 | Domestic Optical Receiver 1550nm "SC/APC" with Amplifier 47...1006MHz, OLC Technology | 1 |
| 231180 | Domestic Optical Receiver 1550nm "SC/APC" with Amplifier 47...1006MHz, OLC Technology [110Vac & UL Listed] | 1 |
| 231181 | Domestic Optical Receiver 1550nm "SC/APC" with Amplifier 47...1006MHz, OLC Technology [110Vac] | 1 |
| 231190 | Domestic Optical Receiver 1550nm "SC/APC" with Amplifier 87...862/950...2400MHz with Automatic Adjustment | 1 |
| ACCESSORIES | | |
| 732101 | Power Supply Unit 12V-0.8A | 1 |
| 732150 | DC Cable "F"- "Jack" Female 0,4m | 1 |
| 765301 | Diplexer Filter 1i/2o "F": LPF[5...85MHz] - HPF[105...1220MHz] | 1 |



▲ 769632



▲ 238201

▲ Mini-Node: FiberKom Series
185 x 80 x 35 mm▲ Micro-Node:
145 x 60 x 35 mm▲ Outdoor Node:
232 x 140 x 90 mm



TV DISTRIBUTION OPTICAL FIBER

Televes

| Ref. | Description | |
|---|---|------|
| TV THROUGH OPTICAL FIBER: OVERLIGHT SERIES (MAX. 64 USERS) | | |
| LNB | | |
| 747402 | WideBand LNB (2 Outputs H-V) G 57dB for Overlight solution | 1/50 |
| AMPLIFIERS | | |
| 237561 | Overlight WideBand Amplifier 2x2 "F" 1xSat 250...2400MHz G 13dB Vo 118dB μ V | 1 |
| 237562 | Overlight WideBand Amplifier 2x2 "F" 1xSat 250...2400MHz G 29dB Vo 118dB μ V | 1 |
| OPTICAL TRANSMITTERS | | |
| Indoor TX | | |
| 237503 | Overlight Optical Transmitter CWDM Indoor "SC/APC" 10dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1310nm(Sat+Terr.) | 1 |
| 237504 | Overlight Optical Transmitter CWDM Indoor "SC/APC" 9dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1550nm(Sat+Terr.) | 1 |
| 237505 | Overlight Optical Transmitter CWDM Indoor "SC/APC" 9dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1570nm(Sat+Terr.) | 1 |
| Outdoor TX | | |
| 237513 | Overlight Optical Transmitter CWDM Outdoor "FC/APC" 10dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1310nm(Sat+Terr.) | 1 |
| 237514 | Overlight Optical Transmitter CWDM Outdoor "FC/APC" 9dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1550nm(Sat+Terr.) | 1 |
| 237515 | Overlight Optical Transmitter CWDM Outdoor "FC/APC" 9dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1570nm(Sat+Terr.) | 1 |
| OPTICAL RECEIVERS | | |
| 237520 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: 2x [dCSS/Legacy+Terr.], 2x [Terr.] (SKY version) | 1 |
| 237521 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: 2x [dCSS/Legacy+Terr.], 2x [Terr.] (Deutsche version) | 1 |
| 237522 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: 2x [dCSS/Legacy+Terr.], 2x [Terr.] (Multichoice version) | 1 |
| 237523 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: 2x [dCSS/Legacy+Terr.], 2x [Terr.] + PSU with UK plug (SKY version) | 1 |
| 237530 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: (dCSS/Legacy+Terr.) (SKY version) | 1 |
| 237531 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: (dCSS/Legacy+Terr.) (Deutsche version) | 1 |
| 237532 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: (dCSS/Legacy+Terr.) (Multichoice version) | 1 |
| 237533 | Overlight Optical Receiver dCSS "SC/APC" 1i: 1100...1650nm(Sat+Terr.), 4o: (dCSS/Legacy+Terr.) + PSU with UK plug (SKY version) | 1 |
| 237540 | Overlight Optical Receiver Quattro "SC/APC" FM/DAB/UHF-SAT | 1 |
| 237550 | Overlight Optical Receiver Quad "SC/APC" FM/DAB/UHF-SAT | 1 |
| ACCESSORIES | | |
| 830209 | Power Supply Unit 12V-1.5A | 1 |

OVERLIGHT SERIESENHANCED ELECTRONICS AND
OPTICAL ENGINEERING TO LIGHT
UP YOUR TV

Satellite and terrestrial TV distribution through a single optical fiber, reducing the number of antennas and devices in the installation without losing the quality of the signal. Ideal to provide TV services to housing estates, blocks of apartments, hotels and campsites, residences, and other FTTx solutions.

- High output level
- Low loss and a balanced end-to-end TV signal
- Optimized electronic design
- Compatible with GPON

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▲ 237522



▲ 237561

i For more information about optical fiber cabling and distribution elements, see the DataCom section.



TV DISTRIBUTION OPTICAL FIBER

| Ref. | Description | |
|---|---|------|
| TV THROUGH OPTICAL FIBER (MAX. 32 USERS) | | |
| KIT: LNB AND OPTICAL CONVERTER | | |
| 237411 | Kit: WideBand LNB + Optical Transmitter "FC/UPC" 8dBm 32 users 1550nm | 1 |
| 237412 | Kit: WideBand LNB + Optical Transmitter "FC/UPC" 8dBm 32 users 1310nm | 1 |
| CONVERTERS | | |
| 236903 | Optical/RF Converter "FC/PC"- "F" Quad FM/DAB/UHF-SAT | 1/64 |
| 237003 | Optical/RF Converter "FC/PC"- "F" Quattro FM/DAB/UHF-SAT | 1/60 |
| 237201 | dCSS Optical/RF Converter GTU "FC/PC"- "F" Twin FM/DAB/UHF-SAT | 1 |
| OPTICAL SYSTEMS WITH WDM | | |
| Full SAT + DTT | | |
| 237301 | Optical Transmitter / Multiplexer. 2i: "FC/PC" 1310/1490nm(Sat) - RF(Terr.), 1o: "SC/APC" 1310/1490/1550nm(Sat/Terr.), 6dBm | 1 |
| 237302 | ★ Optical Transmitter / Multiplexer "SC/APC". 2i: 1310/1490nm(Sat) - RF(Terr.), 1o: 1310/1490/1550nm(Sat/Terr.), 9dBm | 1 |
| 237320 | Optical Receiver / Demultiplexer "SC/APC" (-8...+1dBm) with Satellite Selection Switch. 1i: 1310/1550nm(Sat/Sat+Terr.), 4o: RF(Sat+Terr.) Vo 78dB μ V DIN rail installation | 1 |
| Fiber4Sat | | |
| 237901 | Optical Transmitter / Multiplexer DWDM "SC/APC" 9dBm 5i: 4x 1100...1650nm(Sat) - RF(Terr.), 1o: 1550nm(4xSat+Terr) | 1 |
| 237902 | Optical Transmitter / Multiplexer CWDM "SC/APC" 6dBm 5i: 4x 1100...1650nm(Sat) - RF(Terr.), 1o: 1550nm(4xSat+Terr) | 1 |
| 237910 | Optical Transmitter / Multiplexer Module DWDM "SC/APC" 9dBm 3i: 2x 1100...1650nm(Sat) - RF(Terr.), 1o: 1550nm(2xSat+Terr) | 1 |
| 237920 | Optical Transmitter / Multiplexer CWDM Module "SC/APC" 6dBm 3i: 2x 1100...1650nm(Sat) - RF(Terr.), 1o: 1550nm(2xSat+Terr) | 1 |
| WDM Multiplexers | | |
| 234755 | DWDM Component, Optical Multiplexer / Demultiplexer 1i/4o "FC/PC": 1550,12nm [Ch34] / 1150,92nm [Ch33] / 1551,72nm [Ch32] / 1552,52nm [Ch31] | 1 |
| 234756 | CWDM Component, Optical Multiplexer / Demultiplexer 1i/4o "FC/PC": 1510/1530/1550/1570nm | 1 |
| ACCESSORIES | | |
| 2354 | Simplex F.O. Adapter Single-Mode "FC" Female – "FC" Female | 5 |
| 2356 | Simplex F.O. Adapter Single-Mode "FC" Female – "SC" Female | 5 |
| 237050 | Power Supply Unit 20V-1.2A (for Ref. 237003/236903) | 1 |
| 732101 | Power Supply Unit 12V-0.8A | 1 |
| 732210 | Power Supply Unit 12V-1.5A (UK plug) | 1/10 |
| 732802 | Power Supply Unit 12.5V-2.8A | 1 |



▲ 237302



▲ 237320

▲ Full DTT + SAT system over optical fiber with WDM



▲ 237901 Fiber4Sat



▲ 234755



TV DISTRIBUTION

MULTISWITCHES

| Ref. | Description | |
|---------------------------|---|----------|
| EUROSWITCH SERIES | | |
| 5X - 1 SATELLITE | | |
| Multiswitches | | |
| 719501 | Multiswitch 5x5x4 "F" Terminal/Cascade | TFORCE 1 |
| 719502 | Multiswitch 5x5x6 "F" Terminal/Cascade | TFORCE 1 |
| 719503 | Multiswitch 5x5x8 "F" Terminal/Cascade | TFORCE 1 |
| 719504 | Multiswitch 5x5x12 "F" Terminal/Cascade | TFORCE 1 |
| 719505 | Multiswitch 5x5x16 "F" Terminal/Cascade | TFORCE 1 |
| 719506 | Multiswitch 5x5x24 "F" Terminal/Cascade | TFORCE 1 |
| 719507 | Multiswitch 5x5x32 "F" Terminal/Cascade | TFORCE 1 |
| Quad multiswitches | | |
| 719402 | Quad Compatible Multiswitch 5x5x6 "F" Terminal/Cascade (12V-0.8A PSU included) | TFORCE 1 |
| 719403 | Quad Compatible Multiswitch 5x5x8 "F" Terminal/Cascade (12V-0.8A PSU included) | TFORCE 1 |
| 719404 | Quad Compatible Multiswitch 5x5x12 "F" Terminal/Cascade (12V-0.8A PSU included) | TFORCE 1 |
| 719405 | Quad Compatible Multiswitch 5x5x16 "F" Terminal/Cascade (12V-0.8A PSU included) | TFORCE 1 |
| Accessories | | |
| 714508 | Amplifier 5x5 "F" MATV/IF G 10/11dB Vo 118dB μ V | 1 |
| 714509 | Amplifier 5x5 "F" MATV/IF G 27/31dB Vo 114/118dB μ V | 1 |
| 9X - 2 SATELLITES | | |
| Multiswitches | | |
| 719601 | Multiswitch 9x9x8 "F" Terminal/Cascade | TFORCE 1 |
| 719602 | Multiswitch 9x9x12 "F" Terminal/Cascade | TFORCE 1 |
| 719603 | Multiswitch 9x9x16 "F" Terminal/Cascade | TFORCE 1 |
| 719604 | Multiswitch 9x9x24 "F" Terminal/Cascade | TFORCE 1 |
| 719605 | Multiswitch 9x9x32 "F" Terminal/Cascade | TFORCE 1 |
| Accessories | | |
| 719609 | Amplifier 9x9 "F" Ret.P/MATV/IF G -/27/31dB Vo 114/118dB μ V | 1 |
| 17X - 4 SATELLITES | | |
| Multiswitches | | |
| 719801 | Multiswitch 17x17x8 "F" Terminal/Cascade | TFORCE 1 |
| 719803 | Multiswitch 17x17x16 "F" Terminal/Cascade | TFORCE 1 |
| 719804 | Multiswitch 17x17x24 "F" Terminal/Cascade | TFORCE 1 |
| 719805 | Multiswitch 17x17x32 "F" Terminal/Cascade | TFORCE 1 |
| Accessories | | |
| 719809 | Amplifier 17x17 "F" Ret.P/MATV/IF G -/27/31dB Vo 114/118dB μ V | 1 |
| Ref. Description | | |

NEVOSWITCH SERIES

| Ref. | Description | |
|---------------------------|--|---|
| 5X - 1 SATELLITE | | |
| Multiswitches | | |
| 714501 | Multiswitch 5x5x4 "F" Terminal/Cascade | 1 |
| 714502 | Multiswitch 5x5x6 "F" Terminal/Cascade | 1 |
| 714503 | Multiswitch 5x5x8 "F" Terminal/Cascade | 1 |
| 714504 | Multiswitch 5x5x12 "F" Terminal/Cascade | 1 |
| 714505 | Multiswitch 5x5x16 "F" Terminal/Cascade | 1 |
| 714506 | Multiswitch 5x5x24 "F" Terminal/Cascade | 1 |
| 714507 | Multiswitch 5x5x32 "F" Terminal/Cascade | 1 |
| Quad multiswitches | | |
| 714402 | Quad Compatible Multiswitch 5x5x6 "F" Terminal/Cascade (12V-0.8A PSU included) | 1 |
| 714403 | Quad Compatible Multiswitch 5x5x8 "F" Terminal/Cascade (12V-0.8A PSU included) | 1 |
| 714404 | Quad Compatible Multiswitch 5x5x12 "F" Terminal/Cascade (12V-0.8A PSU included) | 1 |
| 714405 | Quad Compatible Multiswitch 5x5x16 "F" Terminal/Cascade (12V-0.8A PSU included) | 1 |
| 714413 | Quad Compatible Multiswitch 5x5x8 "F" Terminal/Cascade (12V-1.5A PSU with UK plug included) | 1 |
| 714414 | Quad Compatible Multiswitch 5x5x12 "F" Terminal/Cascade (12V-1.5A PSU with UK plug included) | 1 |
| 714415 | Quad Compatible Multiswitch 5x5x16 "F" Terminal/Cascade (12V-1.5A PSU with UK plug included) | 1 |
| 714416 | Quad Compatible Multiswitch 5x5x24 "F" Terminal/Cascade (12V-1.5A PSU with UK plug included) | 1 |
| 714417 | Quad Compatible Multiswitch 5x5x32 "F" Terminal/Cascade (12V-1.5A PSU with UK plug included) | 1 |

Televes**EUROSWITCH SERIES**

SCALABLE RANGE OF MULTISWITCHES WITH EUROPEAN DESIGN, QUALITY AND MANUFACTURING



Thanks to its great compactness and its optimized electronic design, it presents very low through and tap losses.

In addition, thanks to the **TForce** technology, the device adjusts the output level of the terrestrial signal to optimal values at any times.

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▲ 719805

EUROSWITCH / Nevoswitch

A unique amplifier compatible with both series



▲ 714509



▲ 714417

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TV DISTRIBUTION

MULTISWITCHES

| Ref. | Description | |
|--|--|---|
| NEVOSWITCH SERIES | | |
| 5X - 1 SATELLITE | | |
| Passive terrestrial multiswitches | | |
| 714303 | Multiswitch 5x5x8 "F" Terminal/Cascade, Passive Terrestrial | 1 |
| 714304 | Multiswitch 5x5x12 "F" Terminal/Cascade, Passive Terrestrial | 1 |
| 714305 | Multiswitch 5x5x16 "F" Terminal/Cascade, Passive Terrestrial | 1 |
| Accessories | | |
| 714508 | Amplifier 5x5 "F" MATV/IF G 10/11dB Vo 118dB μ V | 1 |
| 714509 | Amplifier 5x5 "F" MATV/IF G 27/31dB Vo 114/118dB μ V | 1 |
| 714901 | Tap 5x5x5 "F" 12dB | 1 |
| 714902 | Tap 5x5x5 "F" 15dB | 1 |
| 714903 | Tap 5x5x5 "F" 20dB | 1 |
| 714905 | Splitter 5x5x5 "F" 4/4dB | 1 |
| 714906 | Tap 5x5x5 "F" 8dB | 1 |
| 9X - 2 SATELLITES | | |
| Multiswitches | | |
| 714601 | Multiswitch 9x9x8 "F" Terminal/Cascade | 1 |
| 714602 | Multiswitch 9x9x12 "F" Terminal/Cascade | 1 |
| 714603 | Multiswitch 9x9x16 "F" Terminal/Cascade | 1 |
| 714604 | Multiswitch 9x9x24 "F" Terminal/Cascade | 1 |
| 714605 | Multiswitch 9x9x32 "F" Terminal/Cascade | 1 |
| Quad multiswitches | | |
| 714241 | Quad Compatible Multiswitch 9x9x8 "F" Terminal/Cascade | 1 |
| 714242 | Quad Compatible Multiswitch 9x9x12 "F" Terminal/Cascade | 1 |
| 714243 | Quad Compatible Multiswitch 9x9x16 "F" Terminal/Cascade | 1 |
| 714244 | Quad Compatible Multiswitch 9x9x24 "F" Terminal/Cascade | 1 |
| 714245 | Quad Compatible Multiswitch 9x9x32 "F" Terminal/Cascade | 1 |
| Accessories | | |
| 714609 | Amplifier 9x9 "F" Ret.P/MATV/IF G -/27/31dB Vo 112/119dB μ V | 1 |
| 13X - 3 SATELLITES | | |
| Multiswitches | | |
| 714701 | Multiswitch 13x13x8 "F" Terminal/Cascade | 1 |
| 714702 | Multiswitch 13x13x12 "F" Terminal/Cascade | 1 |
| 714703 | Multiswitch 13x13x16 "F" Terminal/Cascade | 1 |
| 714704 | Multiswitch 13x13x24 "F" Terminal/Cascade | 1 |
| 714705 | Multiswitch 13x13x32 "F" Terminal/Cascade | 1 |
| Accessories | | |
| 714709 | Amplifier 13x13 "F" Ret.P/MATV/IF G -/27/31dB Vo 112/119dB μ V | 1 |
| 17X - 4 SATELLITES | | |
| Multiswitches | | |
| 714801 | Multiswitch 17x17x8 "F" Terminal/Cascade | 1 |
| 714802 | Multiswitch 17x17x12 "F" Terminal/Cascade | 1 |
| 714803 | Multiswitch 17x17x16 "F" Terminal/Cascade | 1 |
| 714804 | Multiswitch 17x17x24 "F" Terminal/Cascade | 1 |
| 714805 | Multiswitch 17x17x32 "F" Terminal/Cascade | 1 |
| Accessories | | |
| 714809 | Amplifier 17x17 "F" Ret.P/MATV/IF G -/27/31dB Vo 112/119dB μ V | 1 |



▲ 714303



▲ 714509



▲ 714605



▲ 714705



▲ 714805



TV DISTRIBUTION

MULTISWITCHES

Televes

| Ref. | Description | |
|--------------------------------|---|--------|
| DCSS NEVOSWITCH SERIES | | |
| 5X - 1 SATELLITE | | |
| Multiswitches | | |
| 714101 | dCSS Multiswitch 5x5x2 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Sky version) | 1 |
| 714102 | dCSS Multiswitch 5x5x4 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (SKY version) | 1 |
| 714103 | dCSS Multiswitch 5x5x8 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (SKY version) | 1 |
| 714104 | dCSS Multiswitch 5x5x12 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (SKY version) | 1 |
| 714105 | dCSS Multiswitch 5x5x16 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (SKY version) | 1 |
| 714111 | dCSS Multiswitch 5x5x2 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Deutsche version) | 1 |
| 714112 | dCSS Multiswitch 5x5x4 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Deutsche version) | 1 |
| 714121 | dCSS Multiswitch 5x5x8 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Multichoice version) | 1 |
| 714122 | dCSS Multiswitch 5x5x12 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Multichoice version) | 1 |
| 714141 | dCSS Multiswitch 5x5x2 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Polish version) | 1 |
| Ref. Description | | |
| POWER SUPPLY UNITS | | |
| 12V | | |
| 732101 | Power Supply Unit 12V-0.8A | 1 |
| 732210 | Power Supply Unit 12V-1.5A (UK plug) | 1/10 |
| 732802 | Power Supply Unit 12.5V-2.8A | 1 |
| 18V | | |
| 732001 | Power Supply Unit 18V-2A (NevoSwitch dCSS/EuroSwitch) | 1 |
| 732010 | Power Supply Unit 18V-2A (dCSS NevoSwitch/EuroSwitch, UK plug) | 1 |
| Ref. Description | | |
| ACCESSORIES | | |
| 3821 | "Quick F" Male - "F" Male Adapter, Plastic Box | 50/500 |
| 401101 | Earth Bar 5xConnectors "F" | 1/5 |
| 401102 | Earth Bar 6xConnectors "F" | 1/5 |
| 401103 | Earth Bar 7xConnectors "F" | 1/5 |
| 401104 | Earth Bar 9xConnectors "F" | 1/5 |
| 401105 | Earth Bar 11xConnectors "F" | 1/5 |
| 401106 | Earth Bar 13xConnectors "F" | 1/5 |
| 401107 | Earth Bar 17xConnectors "F" | 1/5 |
| 401108 | Earth Bar 21xConnectors "F" | 1/5 |
| 401109 | Earth Bar 27xConnectors "F" | 1/5 |
| 4174 | Set of 5 Colour Coded Leads "Quick F" 260mm | 1/50 |
| 494710 | Kit: 4xSurge Arrestor and Earth bar, 9xF" Female | 1 |
| 494711 | Kit: 11xSurge Arrestor and Earth bar, 11xF" Female | 1 |
| 732150 | DC Cable "F"- "Jack" Female 0,4m | 1 |
| 7450 | Current Injector 10...2150MHz 1...24Vdc-1.5A | 1/20 |



▲ 714101



▲ 714121



▲ 732802



▲ 3821



▲ 7450



TV DISTRIBUTION DISTRIBUTION

| Ref. | Description | |
|--------------------------------|---|----------|
| SPLITTERS | | |
| EASYF SERIES | | |
| Terrestrial + satellite | | |
| 432803 | Mini-Splitter 5...2400MHz "EasyF" 2W 4.3/4dB Indoor DC Pass 0-I [Bag B3] | 1/8 |
| 432902 | Splitter 5...2400MHz "EasyF" 4W 9/7.5dB Indoor DC Pass All [Blister T1] | 1/8 |
| 434103 | Mini-Splitter 5...2400MHz "EasyF" 2W 4.5/4.3dB DC Pass All With Outdoor Mounting Case [Blister T1] | ● 1/10 |
| 434202 | Splitter 5...2400MHz "EasyF" 4W 9/7.5dB DC Pass 0-I With Outdoor Mounting Case [Blister T1] | ● 1/8 |
| 542903 | Mini-Splitter 5...2400MHz "EasyF" 2W 4.5/4.3dB Indoor DC Pass 0-I + UAP | 10 |
| 5430 | Splitter 5...2400MHz "EasyF" 6W 14/14dB Indoor + UAP | 6 |
| 5433 | Splitter 5...2400MHz "EasyF" 8W 14/16dB Indoor + UAP | 6 |
| 543503 | Mini-Splitter 5...2400MHz "EasyF" 2W 4.3/4dB Indoor DC Pass 0-I | 10 |
| 543603 | Mini-Splitter 5...2400MHz "EasyF" 3W 8.5/7.5dB Indoor DC Pass 0-I | 10 |
| 543702 | Splitter 5...2400MHz "EasyF" 4W 9/7.5dB Indoor DC Pass 0-I | 10 |
| 543802 | Splitter 5...2400MHz "EasyF" 5W 10/9.5dB Indoor DC Pass 0-I | 10 |
| 543902 | Splitter 5...2400MHz "EasyF" 3W 9/8dB Indoor DC Pass 0-I + UAP | 10 |
| 544902 | Splitter 5...2400MHz "EasyF" 4W 9/7.5dB Indoor DC Pass 0-I + UAP | 10 |
| 5454 | Splitter 5...2400MHz "EasyF" 5W 11/13dB Indoor + UAP | 6 |
| 5469 | Splitter 5...2400MHz "EasyF" 6W 11/14dB Indoor DC Pass 0-I | 6 |
| 5489 | Splitter 5...2400MHz "EasyF" 8W 14/16dB Indoor DC Pass 0-I | 6 |
| F SERIES | | |
| Terrestrial + Satellite | | |
| 519502 | Splitter 5...2400MHz "F" 2W 5/4dB Indoor | 10 |
| 519503 | Splitter 5...2400MHz "F" 3W 8/7dB Indoor | 10 |
| 519504 | Splitter 5...2400MHz "F" 4W 9/8dB Indoor | 10 |
| 519505 | Splitter 5...2400MHz "F" 5W 11/10dB Indoor | 10 |
| 519506 | Splitter 5...2400MHz "F" 6W 12/11dB Indoor | 10 |
| 519508 | Splitter 5...2400MHz "F" 8W 15/14dB Indoor | 10 |
| 519532 | Splitter 5...2400MHz "F" 2W 5/4dB Indoor + UAP | 10 |
| 519533 | Splitter 5...2400MHz "F" 3W 8/7dB Indoor + UAP | 10 |
| 519534 | Splitter 5...2400MHz "F" 4W 9/8dB Indoor + UAP | 10 |
| 519535 | Splitter 5...2400MHz "F" 5W 11/10dB Indoor + UAP | 10 |
| 519536 | Splitter 5...2400MHz "F" 6W 12/11dB Indoor + UAP | 10 |
| Terrestrial | | |
| 453003 | Splitter 5...1220MHz "F" 2W 4dB Indoor | 1/10 |
| 453103 | Splitter 5...1220MHz "F" 4W 8dB Indoor | 1/10 |
| 453203 | Splitter 5...1220MHz "F" 3W 6dB Indoor | 1/10 |
| 453303 | Splitter 5...1220MHz "F" 8W 11dB Indoor | 1/10 |
| 453403 | Splitter 5...1220MHz "F" 6W 10dB Indoor | 1/10 |
| Satellite | | |
| 7402 | Splitter 950...2150MHz "F" 8W 1...4dB Indoor Active | 1 |
| PLUG-IN | | |
| Terrestrial | | |
| 4320 | Inductive Splitter "IEC" Ø 9.5mm 1 Male - 2 Females DC Pass 1 output [Bag B1] | 1/10 |
| 4322 | Inductive Splitter "IEC" Ø 9.5mm 1 Female - 2 Males DC Pass All [Bag B1] | 1/10 |
| ACCESSORIES | | |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4058 | Terminal Load "F" 750hm without DC Blocked | 10/200 |
| 405802 | Terminal Load "F" 750hm without DC Blocked, Plastic Box | 200/2000 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4087 | Terminal Load "EasyF" 750hm with DC Blocked | 25 |
| 408701 | Terminal Load "EasyF" 750hm with DC Blocked, Plastic Box | 100/1000 |
| 4163 | Outdoor Case Grey Large Model Dimensions: External 136x127x45mm Internal 125x97x35mm | ● 1/5 |
| 4177 | Outdoor Case Black Small Model Dimensions: External 113x88x35mm Internal 92x66x27mm | ● 1/5 |
| 417801 | Outdoor Case Black Model for Mini Series Dimensions: External 88x78x39mm Internal 57x47x13mm | ● 1/10 |
| 545501 | Face Plate White 93x74x21mm | ○ 10 |
| 545510 | Face Plate for Mini Series White 62x56x18mm | ○ 10 |





TV DISTRIBUTION DISTRIBUTION

Televes

| Ref. | Description | |
|--------------------------------|---|----|
| TAPS | | |
| EASYF SERIES | | |
| Terrestrial + Satellite | | |
| 542503 | Mini-Tap 5...2400MHz "EasyF" 2W 12dB Indoor DC Pass I-O (TA - Floor 1) | 10 |
| 542603 | Mini-Tap 5...2400MHz "EasyF" 2W 16dB Indoor DC Pass I-O (A - Floors 2 & 3) | 10 |
| 542703 | Mini-Tap 5...2400MHz "EasyF" 2W 21dB Indoor DC Pass I-O (B - Floors 4...6) | 10 |
| 542803 | Mini-Tap 5...2400MHz "EasyF" 2W 25dB Indoor DC Pass I-O (C - Floors 7...12) | 10 |
| 544402 | Tap 5...2400MHz "EasyF" 4W 12dB Indoor DC Pass I-O (TA - Floor 1) | 10 |
| 544502 | Tap 5...2400MHz "EasyF" 4W 16dB Indoor DC Pass I-O (A - Floors 2 & 3) | 10 |
| 544602 | Tap 5...2400MHz "EasyF" 4W 20dB Indoor DC Pass I-O (B - Floors 4 & 5) | 10 |
| 544702 | Tap 5...2400MHz "EasyF" 4W 25dB Indoor DC Pass I-O (C - Floors 6...8) | 10 |
| 5492 | Tap 5...2400MHz "EasyF" 6W 16dB Indoor DC Pass I-O (TA - Floor 1) | 6 |
| 5493 | Tap 5...2400MHz "EasyF" 6W 20dB Indoor DC Pass I-O (A - Floors 2 & 3) | 6 |
| 5494 | Tap 5...2400MHz "EasyF" 6W 24dB Indoor DC Pass I-O (B - Floors 4 & 5) | 6 |
| 5610 | Tap 5...2400MHz "EasyF" 8W 16dB Indoor DC Pass I-O (TA - Floor 1) | 6 |
| 5611 | Tap 5...2400MHz "EasyF" 8W 22dB Indoor DC Pass I-O (A - Floor 2) | 6 |
| F SERIES | | |
| Terrestrial + Satellite | | |
| 519322 | Tap 5...2400MHz "F" 2W 12dB Indoor | 10 |
| 519323 | Tap 5...2400MHz "F" 2W 16dB Indoor | 10 |
| 519324 | Tap 5...2400MHz "F" 2W 20dB Indoor | 10 |
| 519325 | Tap 5...2400MHz "F" 2W 24dB Indoor | 10 |
| 519341 | Tap 5...2400MHz "F" 4W 8dB Indoor | 10 |
| 519342 | Tap 5...2400MHz "F" 4W 12dB Indoor | 10 |
| 519343 | Tap 5...2400MHz "F" 4W 16dB Indoor | 10 |
| 519344 | Tap 5...2400MHz "F" 4W 20dB Indoor | 10 |
| 519345 | Tap 5...2400MHz "F" 4W 24dB Indoor | 10 |
| 519362 | Tap 5...2400MHz "F" 6W 12dB Indoor | 10 |
| 519363 | Tap 5...2400MHz "F" 6W 16dB Indoor | 10 |
| 519364 | Tap 5...2400MHz "F" 6W 20dB Indoor | 10 |
| 519365 | Tap 5...2400MHz "F" 6W 24dB Indoor | 10 |
| 519382 | Tap 5...2400MHz "F" 8W 14dB Indoor | 10 |
| 519383 | Tap 5...2400MHz "F" 8W 16dB Indoor | 10 |
| 519384 | Tap 5...2400MHz "F" 8W 20dB Indoor | 10 |
| 519385 | Tap 5...2400MHz "F" 8W 24dB Indoor | 10 |



▲ 542503



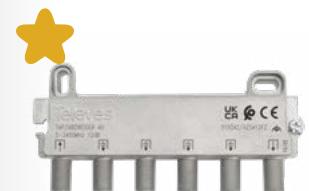
▲ 544502



▲ 5492



▲ 519324



▲ 519342



▲ 519363



TV DISTRIBUTION DISTRIBUTION

| Ref. | Description | |
|--------------------|---|----------|
| TAPS | | |
| F SERIES | | |
| Terrestrial | | |
| 456003 | Tap 5...1220MHz "F" 2W 4dB Indoor | 1/10 |
| 456103 | Tap 5...1220MHz "F" 2W 8dB Indoor | 1/10 |
| 456203 | Tap 5...1220MHz "F" 2W 11dB Indoor | 1/10 |
| 456303 | Tap 5...1220MHz "F" 2W 14dB Indoor | 1/10 |
| 456603 | Tap 5...1220MHz "F" 2W 23dB Indoor | 1/10 |
| 456703 | Tap 5...1220MHz "F" 2W 26dB Indoor | 1/10 |
| 457103 | Tap 5...1220MHz "F" 4W 8dB Indoor | 1/10 |
| 457203 | Tap 5...1220MHz "F" 4W 11dB Indoor | 1/10 |
| 457303 | Tap 5...1220MHz "F" 4W 14dB Indoor | 1/10 |
| 457403 | Tap 5...1220MHz "F" 4W 17dB Indoor | 1/10 |
| 457503 | Tap 5...1220MHz "F" 4W 20dB Indoor | 1/10 |
| 457603 | Tap 5...1220MHz "F" 4W 23dB Indoor | 1/10 |
| 457703 | Tap 5...1220MHz "F" 4W 26dB Indoor | 1/10 |
| 457803 | Tap 5...1220MHz "F" 8W 12dB Indoor | 1/10 |
| 457903 | Tap 5...1220MHz "F" 8W 14dB Indoor | 1/10 |
| 458003 | Tap 5...1220MHz "F" 8W 17dB Indoor | 1/10 |
| 458103 | Tap 5...1220MHz "F" 8W 20dB Indoor | 1/10 |
| ACCESSORIES | | |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4058 | Terminal Load "F" 750hm without DC Blocked | 10/200 |
| 405802 | Terminal Load "F" 750hm without DC Blocked, Plastic Box | 200/2000 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4087 | Terminal Load "EasyF" 750hm with DC Blocked | 25 |
| 408701 | Terminal Load "EasyF" 750hm with DC Blocked, Plastic Box | 100/1000 |
| 4163 | Outdoor Case Grey Large Model Dimensions: External 136x127x45mm Internal 125x97x35mm | ● 1/5 |
| 4177 | Outdoor Case Black Small Model Dimensions: External 113x88x35mm Internal 92x66x27mm | ● 1/5 |
| 417801 | Outdoor Case Black Model for Mini Series Dimensions: External 88x78x39mm Internal 57x47x13mm | ● 1/10 |
| 545501 | Face Plate White 93x74x21mm | ○ 10 |
| 545510 | Face Plate for Mini Series White 62x56x18mm | ○ 10 |



▲ 456003



▲ 456703



▲ 417801



▲ 4163



▲ 4058



▲ 4061



TV DISTRIBUTION DISTRIBUTION

Televes

| Ref. | Description | |
|---|---|----------------------------|
| OUTLETS | | |
| SCREW-FREE MOUNTING | | |
| Terrestrial - 2 connectors | | |
| 4372 | End Outlet 5...862MHz, TV-FM 4.5-18dB w/o DC Pass + Face Plate [Blister T1] | 1/8 |
| 4373 | Through Outlet 5..862MHz, TV-FM 9.5-24dB w/o DC Pass + Face Plate [Blister T1] | 1/8 |
| 5230 | End Outlet 5...862MHz, TV-FM 4.5-18dB without DC Pass | 1/10 |
| 5231 | Through Outlet 5...862MHz, TV-FM 9.5-24dB without DC Pass | 1/10 |
| 5232 | End Outlet Diplexed 5...1000MHz, TV-FM 0.5-3dB without DC Pass | 1/10 |
| 523202 | End Outlet Diplexed 5...1220MHz, TV-FM 0.5-3dB without DC Pass [without Clamps] | 1/10 |
| 5233 | Through Outlet 5...1000MHz, TV-FM 7-26dB without DC Pass | 1/10 |
| Terrestrial - 2 connectors DOCSIS 3.1 | | |
| 523211 | End Outlet Diplexed 5...1220MHz, TV-FM 1-1dB with DC Pass | 1/10 |
| 523310 | Through Outlet 5...1220MHz, TV-FM 6-6dB with DC Pass | 1/10 |
| 523311 | Through Outlet 5...1220MHz, TV-FM 8-8dB with DC Pass | 1/10 |
| 523312 | Through Outlet 5...1220MHz, TV-FM 10-10dB with DC Pass | 1/10 |
| 523313 | Through Outlet 5...1220MHz, TV-FM 13-13dB with DC Pass | 1/10 |
| Terrestrial + satellite - 2 connectors | | |
| 4301 | End Outlet Diplexed 5...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass + Face Plate [Blister T1] | 1/8 |
| 4335 | Bridged Outlet + Face Plate TV-R + Back Box for Surface Mountig Outlet [Blister T1] | 1/8 |
| 5226 | End Outlet Diplexed 5...862/950...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass | 1/10 |
| 5227 | Through Outlet Splitter 5...2150MHz,TV/FM-SAT 13-14dB with DC Pass [Floors 3...5] | 1/10 |
| 5228 | Through Outlet Diplexed 5...2150MHz,TV/FM-SAT 8.5-10dB with DC Pass [Floors 2] | 1/10 |
| 5229 | End Outlet Splitter 5...2150MHz,TV/FM-SAT 4-5dB with DC Pass [Floor 1] | 1/10 |
| 5270 | Through Outlet Bridged [Chassis Only] | 1/10 |
| 5276 | End Outlet Diplexed 5...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass [without Clamps] | 1/10/100 |
| Terrestrial + satellite - 3 connectors | | |
| 524201 | Through Outlet Tripleplexed 87...2400MHz, TV-FM-SAT 11-15-10dB with DC Pass | 1/10/100 |
| 524501 | End Outlet Tripleplexed 5..2400MHz, TV/FM-SAT1-SAT2 1-1.5-1dB with DC Pass | 1/10/100 |
| 524603 | End Outlet 5..2400MHz, TV-FM-SAT 4-4-1.5dB with DC pass | 1/10/100 |
| Multimedia | | |
| 524001 | End Outlet Multimedia 5...1220MHz, TV-FM-DATA 8-7-3.6dB | 1/10/100 |
| 524701 | Through Outlet Multimedia 5..1220MHz, TV-FM-DATA 12-14.5-12dB | 1/10/100 |
| 524801 | Through Outlet Multimedia 5..1220MHz, TV-FM-DATA 19-20-17.5dB | 1/10/100 |
| 5250 | End Outlet Tripleplexed 5...2150MHz, TV-FM-SAT/DATA 5-3.8-6.5/4.5dB with DC Pass | 1/10/100 |
| SCREW MOUNTING | | |
| Terrestrial + satellite - 4 connectors | | |
| 516110 | Quad End Outlet 5...2200MHz, FM-TV-SAT1-SAT2 8-5-3-2.8dB with DC Pass + Back Box + Face Plate | 1/10/100 |
| FACE PLATES | | |
| 80x80mm | | |
| 4336 | Back Box White for Surface Mounting Outlet [Blister T1] | <input type="radio"/> 1/10 |
| 527402 | Face Plate White for TV/R-SAT-DATA Outlet | <input type="radio"/> 12 |
| 5275 | Face Plate White for TV-R-SAT-DATA Outlet | <input type="radio"/> 10 |
| 5440 | Face Plate White for TV/R-SAT Outlet | <input type="radio"/> 10 |
| 5441 | Face Plate White for TV-R Outlet | <input type="radio"/> 10 |
| 5442 | Back Box White for Surface Mounting Outlet | <input type="radio"/> 10 |
| 544302 | Face Plate White for TV-R-SAT Outlet | <input type="radio"/> 10 |
| 85x85mm | | |
| 544002 | Face Plate White for TV/R-SAT Outlet | <input type="radio"/> 10 |
| 544101 | Face Plate White for TV-R Outlet | <input type="radio"/> 10 |
| 544301 | Face Plate White for TV-R-SAT Outlet | <input type="radio"/> 10 |
| ACCESSORIES | | |
| Terminal loads | | |
| 3809 | Terminal Load "EasyF" 750hm without DC Blocked, Plastic Box | 100/1000 |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4087 | Terminal Load "EasyF" 750hm with DC Blocked | 25 |
| 408701 | Terminal Load "EasyF" 750hm with DC Blocked, Plastic Box | 100/1000 |



▲ 5226



▲ 524603



▲ 527402



▲ 516110



▲ 544002



▲ 544101



TV DISTRIBUTION

COAXIAL CABLES AND CONNECTORS



Ref. | Description

CONVENTIONAL COAXIAL CABLES (RG-6)

TRIPLE SHIELDING - CLASS A++

CPR B2ca: Copper / copper

| | | |
|--------|---|---------|
| 413910 | Coaxial Cable SK2020plus LSFH UV Resistant B2ca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White | 100/500 |
| 413911 | Coaxial Cable SK2020plus LSFH UV Resistant B2ca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White | 250 |
| 413912 | Coaxial Cable SK2020plus LSFH UV Resistant B2ca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White | 500 |

CPR Cca: Copper / copper

| | | |
|--------|--|---------|
| 414901 | Coaxial Cable SK2015plus LSFH UV Resistant Cca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White | 100/500 |
| 414902 | Coaxial Cable SK2015plus LSFH UV Resistant Cca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White | 250 |

CPR Eca: Copper / copper

| | | |
|--------|---|---------|
| 4138 | Coaxial Cable SK2000plus PVC Eca Class A++ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm White | 100/500 |
| 413801 | Coaxial Cable SK2000plus PVC Eca Class A++ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm White | 500 |
| 413802 | Coaxial Cable SK2000plus PVC Eca Class A++ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm White | 250 |

TRIPLE SHIELDING - CLASS A+

CPR Dca: Copper / copper

| | | |
|--------|--|---------|
| 414002 | Coaxial Cable SK2003plus LSFH UV Resistant Dca Class A+ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm Black | 100/500 |
| 414003 | Coaxial Cable SK2003plus LSFH UV Resistant Dca Class A+ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm Black | 250 |
| 414004 | Coaxial Cable SK2003plus LSFH UV Resistant Dca Class A+ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm Black | 500 |

CPR Eca: Copper / copper

| | | |
|--------|--|---------|
| 413501 | Coaxial Cable SK125plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White | 100/500 |
| 413502 | Coaxial Cable SK125plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White | 250 |
| 413503 | Coaxial Cable SK125plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White | 500 |
| 413707 | Coaxial Cable SK110plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.70mm Black | 250 |

CPR Eca: Copper / aluminium

| | | |
|--------|---|---------|
| 413601 | Coaxial Cable SK100plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White | 100/500 |
| 413602 | Coaxial Cable SK100plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White | 250 |
| 413603 | Coaxial Cable SK100plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White | 500 |

CPR Eca: Copper clad steel / aluminium

| | | |
|--------|--|---------|
| 414801 | Cable Coaxial SK6Fplus PVC Eca Class A+ Triple Shielded TSH 19VAtC.A Ø 1.00/4.6/6.8mm White | 100/500 |
| 414802 | Cable Coaxial SK6Fplus PVC Eca Class A+ Triple Shielded TSH 19VAtC.A Ø 1.00/4.6/6.8mm White | 250 |
| 414803 | Cable Coaxial SK6Fplus PVC Eca Class A+ Triple Shielded TSH 19VAtC.A Ø 1.00/4.6/6.8mm White | 500 |
| 414882 | Cable Coaxial RG-6 / SK6Fplus LSFH Eca Class A+ Triple Shielded TSH 19AtC.A Ø 1.02/4.6/6.8mm Grey | 250 |

TRIPLE SHIELDING - CLASS A

CPR Cca: Copper / copper

| | | |
|--------|---|-----|
| 414211 | Coaxial Cable SK2005plus LSFH UV Resistant Cca Class A+ Triple Shielded TSH 18AtC Ø 1.00/4.6/6.7mm Black | 250 |
|--------|---|-----|



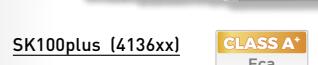
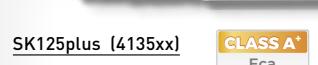
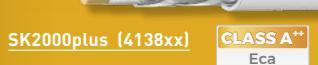
TRIPLE SHIELDED CABLES

The Trishield cable provides the greatest immunity against interferences. Its use is specially recommend when trying to avoid interference.



An exceptional TSH cable with high screening attenuation, that offers an A++ Class.

Additionally, due to its LSFH outer sheath, it complies with the requirements for CPR class B2ca, so it has a very low fire hazard.





TV DISTRIBUTION

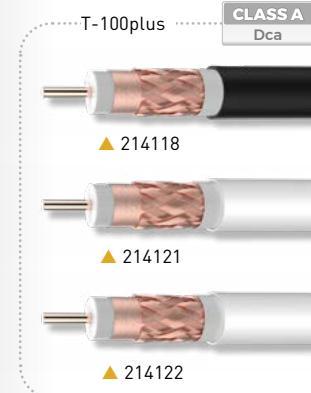
COAXIAL CABLES AND CONNECTORS

Televes

| Ref. | Description | | |
|---|---|--|---------|
| CONVENTIONAL COAXIAL CABLES (RG-6) | | | |
| DOUBLE SHIELDING – CLASS A | | | |
| CPR Dca: Copper / copper | | | |
| 213002 | Coaxial Cable T-200plus LSFH Dca Class A 15RtC Ø 1.20/5.0/6.9mm Grey | | 250 |
| 214118 | Coaxial Cable T-100plus LSFH Dca Class A 16VRtC Ø 1.13/4.8/6.6mm Black | | 100/500 |
| 214121 | Coaxial Cable T-100plus LSFH Dca Class A 16RtC Ø 1.13/4.8/6.6mm White | | 100/500 |
| 214122 | Coaxial Cable T-100plus LSFH Dca Class A 16RtC Ø 1.13/4.8/6.6mm White | | 250 |
| 214911 | Coaxial Cable TR-165 LSFH UV Resistant Dca Class A 11RtC Ø 1.63/7.2/10.1mm Grey | | 250 |
| CPR Eca: Copper / copper | | | |
| 214102 | Coaxial Cable T-100plus PVC Eca Class A 16VRtC Ø 1.13/4.8/6.6mm White | | 100/500 |
| 214104 | Coaxial Cable T-100plus PVC Eca Class A 16VRtC Ø 1.13/4.8/6.6mm White | | 250 |
| CPR Fca: Copper / copper | | | |
| 215501 | Coaxial Cable T-100plus PE Fca Class A 16PRtC Ø 1.13/4.8/6.6mm Black | | 100/500 |
| CPR Dca: Copper / aluminium | | | |
| 212661 | Coaxial Cable T-100 LSFH Dca Class A 16AtC Ø 1.13/4.8/6.6mm Grey | | 250 |
| 212811 | Coaxial Cable CXT LSFH Dca Class A 19AtC Ø 1.00/4.5/6.5mm Grey | | 250 |
| CPR Eca: Copper / aluminium | | | |
| 2126 | Coaxial Cable T-100 PVC Eca Class A 16VAtC Ø 1.13/4.8/6.6mm White | | 100/500 |
| 212604 | Coaxial Cable T-100 PVC Eca Class A 16VAtC Ø 1.13/4.8/6.6mm White [Box] | | 250 |
| 212606 | Coaxial Cable T-100 PVC Eca Class A 16VAtC Ø 1.13/4.8/6.6mm White | | 500 |
| 2128 | Coaxial Cable CXT PVC Eca Class A 19VAtC Ø 1.00/4.5/6.5mm White | | 100/500 |
| 212801 | Coaxial Cable CXT PVC Eca Class A 19VAtC Ø 1.00/4.5/6.5mm White | | 250 |
| CPR Fca: Copper / aluminium | | | |
| 212501 | Coaxial Cable T-100 PE Fca Class A 16PATC Ø 1.13/4.8/6.6mm Black | | 100/500 |
| 212502 | Coaxial Cable T-100 PE Fca Class A 16PATC Ø 1.13/4.8/6.6mm Black | | 250 |



▲ 213002

CLASS A
Dca

▼ CXT (212811)



▲ 212661

CLASS A
Dca

▲ 212606

CLASS A
Eca

**TV DISTRIBUTION****COAXIAL CABLES AND CONNECTORS**

| Ref. | Description | | | |
|--|--|--|--|---------|
| CONVENTIONAL COAXIAL CABLES (RG-6) | | | | |
| DOUBLE SHIELDING - CLASS B | | | | |
| CPR Dca: Copper / copper | | | | |
| 214110 | Coaxial Cable T-100 Plus LSFH Dca 16RtC Ø 1.13/4.8/6.6mm White | | | 100/500 |
| CPR Eca: Copper / copper | | | | |
| 2141 | Coaxial Cable T-100 Plus PVC Eca Ø 1.13/4.8/6.6mm White | | | 100/500 |
| CPR Dca: Copper / copper clad aluminium | | | | |
| 213910 | Coaxial Cable CXT LSFH Dca 18RtC Ø 1.00/4.8/6.6mm Black | | | 100/500 |
| 214210 | Coaxial Cable CXT LSFH Dca 18RtC Ø 1.00/4.8/6.6mm White | | | 100/500 |
| CPR Eca: Copper / copper clad aluminium | | | | |
| 2139 | Coaxial Cable CXT PVC Eca 18VrtC Ø 1.00/4.8/6.6mm Black | | | 100/500 |
| CPR Eca: Copper clad steel/aluminium | | | | |
| 2127 | Coaxial Cable CXT-1 PVC Eca 17VAtC.A Ø 1.00/4.7/6.7mm White | | | 100/500 |
| 212702 | Coaxial Cable CXT-1 PVC Eca 17VAtC.A Ø 1.00/4.7/6.7mm Black | | | 250 |
| 212703 | Coaxial Cable CXT-1 PVC Eca 17VAtC.A Ø 1.00/4.7/6.7mm White | | | 250 |
| ACCESSORIES | | | | |
| Dispensers | | | | |
| 212001 | Coaxial Cable / Optical Fiber Dispenser, Small model (Plastic drums: Coaxial cable 100m and F.O. 200/300m) | | | 1 |
| 212011 | Coaxial Cable / Optical Fiber Dispenser, Large model (Plastic drums: Coaxial cable 250m and F.O. 500/750m) | | | 1 |
| Fixing | | | | |
| 200101 | Velcro Tape for Cables 8m, Width: 20mm, Black (2 units) | | | 1 |
| 200102 | Velcro Flange for Cables, Width: 15mm, Black (10 units) | | | 1 |

| Ref. | Description | | | |
|---|---|--|--|----------|
| MICRO-CABLES (RG-59) | | | | |
| MINI | | | | |
| CPR Eca: Copper / tinned copper | | | | |
| 4144 | Mini Coaxial Cable SK0729plus PVC Eca Class A 32VAtC Ø 0.65/2.7/4.2mm White | | | 100/500 |
| MICRO | | | | |
| CPR Eca: Copper / tinned copper | | | | |
| 210601 | Coaxial Cable CXT-5 PVC Eca Class A 24VAtC Ø 0.8/3.5/5.0mm White | | | 150/750 |
| 210603 | Coaxial Cable CXT-5 PVC Eca Class B 24VAtC Ø 0.8/3.5/5.0mm White | | | 100/500 |
| CPR Eca: Copper clad steel/aluminium | | | | |
| 211603 | Coaxial Cable CXT-5 PVC Eca Class B 24VAtC.A Ø 0.8/3.4/5.0mm White | | | 200/1000 |

| Ref. | Description | | | |
|-------------------------------------|---|--|--|-----|
| DIRECT-BURIED CABLES (RG-11) | | | | |
| CPR DCA: COPPER / COPPER | | | | |
| 214001 | | | | |
| 214001 | Coaxial Cable 1/2" LSFH UV Resistant Dca Class A 7RtC Ø 2.7/11.5/15.0mm Grey | | | 500 |
| 214911 | Coaxial Cable TR-165 LSFH UV Resistant Dca Class A 11RtC Ø 1.63/7.2/10.1mm Grey | | | 250 |
| CPR FCA: COPPER / COPPER | | | | |
| 2140 | Coaxial Cable 1/2" PE Fca Class A 7PRtC Ø 2.7/11.5/15.0mm Black | | | 500 |





TV DISTRIBUTION

COAXIAL CABLES AND CONNECTORS

Televes

| | | | | | | | | |
|--------------------------------|------------------------------|---|--|--|--|--|--|--|
| References | 413910 413911 413912 | 414901 414902 | 4138 413801 413802 | 414002 414003 414004 | 414801 414802 414802 414882 | 413501 413502 413503 | 413707 | 413601 413602 413603 |
| Type | SK2020plus A++ | SK2015plus A++ | SK2000plus A++ | SK2003plus A+ | SK6plus A+ | SK125plus A+ | SK110plus A+ | SK100plus A+ |
| Euroclass | B2ca | Cca | Eca | Dca | Eca | Eca | Eca | Eca |
| Inner Conductor | Ø mm Material | 1.05 Cu | 1.05 Cu | 1.02 Cu | 1.02 CCS | 1.00 Cu | 1.00 Cu | 1.02 Cu |
| Dielectric | Ø mm Material | 22 PEE | 22 PEE | 22 PEE | 110 PEE | 22 PEE | 22 PEE | 22 PEE |
| Over Lapped Foil | Material | B | B | A | B | B | B | B |
| Braid | Material Res. Max. Ohm/Km | CuSn 11 | CuSn 11 | CuSn 11 | AL 30 | CuSn 15 | CuSn 15 | AL 22 |
| Outer sheath | Nc x Ns x Ø Coverage % | 24x7x0.1 82 | 24x7x0.1 82 | 24x7x0.1 82 | 16x6x0.1 60 | 16x6x0.1 60 | 16x6x0.1 55 | 16x6x0.1 60 |
| 2 nd shielding foil | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Anti-migrating Film | No | No | No | No | No | No | No | No |
| Petro-Jelly | No | No | No | No | No | No | No | No |
| Outer sheath | Ø mm Material | 6.9 LSFH UV Resistant | 6.9 LSFH UV Resistant | PVC | LSFH UV Resistant | PVC | PVC | PVC |
| Spark Test | VAC | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| Minimum bending radius | mm | 34.5 | 34.5 | 33.5 | 34.0 | 33.5 | 33.5 | 33.5 |
| Shielding Min. @1GHz | dB | 105 | 105 | 95 | 95 | 95 | 95 | 95 |
| Capacitance | pF/m | 54 | 54 | 54 | 53 | 53 | 54 | 53 |
| Impedance | Ohm | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Transfer impedance | mOhm/m | 0.9 | 0.9 | 0.9 | 2.5 | 2.5 | 2.5 | 2.5 |
| Velocity ratio | % | 84 | 84 | 84 | 84 | 82 | 84 | 82 |
| Attenuations (dB/m) | | 5 47 54 90 200 500 698 800 862 950 1000 1220 1350 1750 2050 2150 2200 3000 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.23 0.25 0.28 0.30 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.23 0.25 0.28 0.30 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.23 0.25 0.28 0.30 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 |
| Frequency (MHz) | | 5 47 54 90 200 500 698 800 862 950 1000 1220 1350 1750 2050 2150 2200 3000 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.23 0.25 0.28 0.30 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.22 0.22 0.25 0.28 0.31 0.32 0.36 |

| | | | | | | | | |
|--------------------------------|------------------------------|---|--|--|--|--|--|--|
| References | 414211 | 214911 | 213002 | 214118 214121 214122 | 212661 | 212811 | 214001 | |
| Type | SK2005plus A | TR-165 A | T-200plus A | T-100plus A | T-100 A | CXT A | 1/2" A | |
| Euroclass | Cca | Dca | Dca | Dca | Dca | Dca | Dca | |
| Inner Conductor | Ø mm Material | 1.00 Cu | 1.63 Cu | 1.20 Cu | 1.13 Cu | 1.13 Cu | 1.00 Cu | |
| Dielectric | Ø mm Material | 22 PEE | 9 PEE | 16 PEE | 20 PEE | 20 PEE | 23 PEE | |
| Over Lapped Foil | Material | B | D | C | C | A | B | |
| Braid | Material Res. Max. Ohm/Km | CuSn 14 | Cu 7 | Cu 12 | Cu 12 | Al 27 | Al 31 | |
| Outer sheath | Nc x Ns x Ø Coverage % | 16x7x0.1 60 | 16x8x0.1 77 | 16x9x0.1 76 | 16x8x0.1 73 | 16x8x0.1 77 | 16x8x0.1 79 | |
| 2 nd shielding foil | Yes | No | No | No | No | No | No | |
| Anti-migrating Film | No | No | Yes | Yes | No | No | No | |
| Petro-Jelly | No | Yes | No | No | No | No | Yes | |
| Outer sheath | Ø mm Material | 6.7 LSFH UV Resistant | 10.1 LSFH UV Resistant | LSFH | LSFH | LSFH | LSFH UV Resistant | |
| Spark Test | VAC | 3000 | 8000 | 3000 | 3000 | 3000 | 8000 | |
| Minimum bending radius | mm | 33.5 | 50.0 | 34.5 | 33.0 | 33.0 | 32.5 | |
| Shielding Min. @1GHz | dB | 85 | 85 | 85 | 85 | 85 | 85 | |
| Capacitance | pF/m | 54 | 53 | 55 | 55 | 52 | 54 | |
| Impedance | Ohm | 75 | 75 | 75 | 75 | 75 | 75 | |
| Transfer impedance | mOhm/m | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | |
| Velocity ratio | % | 84 | 84 | 82 | 82 | 85 | 82 | |
| Attenuations (dB/m) | | 5 47 54 90 200 500 698 800 862 950 1000 1220 1350 1750 2050 2150 2200 3000 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.23 0.25 0.28 0.30 0.31 0.32 0.36 | 0.01 0.03 0.03 0.04 0.04 0.05 0.05 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 | 0.01 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 | 0.02 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 | 0.01 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 | 0.01 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 |
| Frequency (MHz) | | 5 47 54 90 200 500 698 800 862 950 1000 1220 1350 1750 2050 2150 2200 3000 | 0.02 0.05 0.05 0.06 0.09 0.14 0.17 0.18 0.19 0.20 0.21 0.23 0.25 0.28 0.30 0.31 0.32 0.36 | 0.01 0.03 0.03 0.04 0.04 0.05 0.05 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 | 0.01 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 | 0.02 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 | 0.01 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 | 0.01 0.04 0.04 0.05 0.05 0.06 0.06 0.07 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.16 0.17 |



TV DISTRIBUTION

COAXIAL CABLES AND CONNECTORS

| References | 214102 214104 | 2126 212604 212606 | 4144 | 210601 | 2128 212801 |
|--------------------------------|---|----------------------------|----------------------------|------------------------------|-------------------------------|
| Type | T-100plus A | T-100 A | SK0729plus A | CXT-5 A | CXT A |
| Euroclass | Eca | Eca | Eca | Eca | Eca |
| Inner Conductor | Ø mm Material | 1.13 Cu | 1.13 Cu | 0.65 Cu | 0.80 Cu |
| Dielectric | Res. Max. Ohm/Km Ø mm Material | 20 4.8 PEE | 20 4.7 PEE | 52 2.7 PEE | 37 3.4 PEE |
| Over Lapped Foil | Material | C | A | B | A |
| Braid | Material Res. Max. Ohm/Km Nc x Ns x Ø Coverage % | Cu 12 16x9x0.1 73 | Al 27 16x8x0.1 77 | CuSn 19 16x7x0.1 85 | TCCAM 35 16x6x0.1 75 |
| 2 nd shielding foil | No | No | No | No | No |
| Anti-migrating Film | Yes | No | Yes | No | No |
| Petro-Jelly | No | No | No | No | No |
| Outer sheath | Ø mm Material | 6.6 PVC | 6.6 PVC | 4.2 PVC | 5.0 PVC |
| Spark Test | VAC | 3000 | 3000 | 3000 | 3000 |
| Minimum bending radius | mm | 33.0 | 33.0 | 21.0 | 25.0 |
| Shielding Min. @1GHz | dB | 85 | 85 | 85 | 85 |
| Capacitance | pF/m | 55 | 52 | 53 | 54 |
| Impedance | Ohm | 75 | 75 | 75 | 75 |
| Transfer impedance | mOhm/m | 5.0 | 5.0 | 5.0 | 5.0 |
| Max. (5-30MHz) | | | | | |
| Velocity ratio | % | 82 | 85 | 85 | 82 |
| Attenuations (dB/m) | | | | | |
| | 5 | 0.01 | 0.02 | 0.05 | 0.02 |
| | 47 | 0.04 | 0.05 | 0.08 | 0.06 |
| | 54 | 0.04 | 0.05 | 0.08 | 0.06 |
| | 90 | 0.05 | 0.06 | 0.11 | 0.07 |
| | 200 | 0.08 | 0.08 | 0.15 | 0.11 |
| | 500 | 0.13 | 0.14 | 0.24 | 0.18 |
| | 698 | 0.15 | 0.15 | 0.27 | 0.21 |
| | 800 | 0.16 | 0.16 | 0.32 | 0.23 |
| Frequency (MHz) | 862 | 0.17 | 0.17 | 0.33 | 0.24 |
| | 950 | 0.18 | 0.18 | 0.35 | 0.24 |
| | 1000 | 0.19 | 0.19 | 0.36 | 0.25 |
| | 1220 | 0.20 | 0.21 | 0.39 | 0.28 |
| | 1350 | 0.22 | 0.23 | 0.43 | 0.30 |
| | 1750 | 0.25 | 0.25 | 0.49 | 0.34 |
| | 2050 | 0.26 | 0.28 | 0.53 | 0.37 |
| | 2150 | 0.27 | 0.29 | 0.55 | 0.38 |
| | 2200 | 0.28 | 0.29 | 0.56 | 0.39 |
| | 3000 | 0.33 | 0.34 | 0.66 | 0.45 |

| References | 215501 | 212501 212502 | 2140 | 214110 | 213910 | 214210 |
|--------------------------------|---|----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|
| Type | T-100plus A | T-100 A | 1/2" A | T-100plus B | CXT B | CXT B |
| Euroclass | Fca | Fca | Fca | Dca | Dca | Dca |
| Inner Conductor | Ø mm Material | 1.13 Cu | 1.13 Cu | 2.70 Cu | 1.13 Cu | 1.00 Cu |
| Dielectric | Res. Max. Ohm/Km Ø mm Material | 20 4.8 PEE | 20 4.7 PEE | 3.2 PEE | 20 PEE | 23 PEE |
| Over Lapped Foil | Material | C | A | C | C | C |
| Braid | Material Res. Max. Ohm/Km Nc x Ns x Ø Coverage % | Cu 13 16x8x0.1 73 | Al 27 16x8x0.1 77 | Cu 7 22x6x0.1 53 | Al 20 16x4x0.1 38 | Al 35 16x3x0.1 35 |
| 2 nd shielding foil | No | No | No | No | No | No |
| Anti-migrating Film | Yes | No | No | Yes | No | Yes |
| Petro-Jelly | No | No | Yes | No | No | No |
| Outer sheath | Ø mm Material | 6.6 PE | 6.6 PE | 15.0 PE | 6.6 LSFH | 6.6 LSFH |
| Spark Test | VAC | 3000 | 3000 | 8000 | 3000 | 3000 |
| Minimum bending radius | mm | 33.0 | 33.0 | 75.0 | 33.0 | 33.0 |
| Shielding Min. @1GHz | dB | 85 | 85 | 85 | 75 | 75 |
| Capacitance | pF/m | 55 | 52 | 55 | 55 | 55 |
| Impedance | Ohm | 75 | 75 | 75 | 75 | 75 |
| Transfer impedance | mOhm/m | 5.0 | 5.0 | 5.0 | 15.0 | 15.0 |
| Max. (5-30MHz) | | | | | | |
| Velocity ratio | % | 82 | 85 | 82 | 82 | 82 |
| Attenuations (dB/m) | | | | | | |
| | 5 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 |
| | 47 | 0.04 | 0.05 | 0.02 | 0.04 | 0.05 |
| | 54 | 0.04 | 0.05 | 0.02 | 0.04 | 0.05 |
| | 90 | 0.05 | 0.06 | 0.02 | 0.05 | 0.06 |
| | 200 | 0.08 | 0.08 | 0.03 | 0.08 | 0.09 |
| | 500 | 0.13 | 0.14 | 0.06 | 0.13 | 0.14 |
| | 698 | 0.15 | 0.15 | 0.07 | 0.15 | 0.16 |
| | 800 | 0.16 | 0.16 | 0.07 | 0.16 | 0.18 |
| Frequency (MHz) | 862 | 0.17 | 0.17 | 0.08 | 0.17 | 0.19 |
| | 950 | 0.18 | 0.18 | 0.08 | 0.18 | 0.20 |
| | 1000 | 0.19 | 0.19 | 0.08 | 0.19 | 0.20 |
| | 1220 | 0.20 | 0.21 | 0.09 | 0.20 | 0.22 |
| | 1350 | 0.22 | 0.23 | 0.10 | 0.22 | 0.24 |
| | 1750 | 0.25 | 0.25 | 0.12 | 0.25 | 0.28 |
| | 2050 | 0.26 | 0.28 | 0.13 | 0.26 | 0.30 |
| | 2150 | 0.27 | 0.29 | 0.14 | 0.27 | 0.31 |
| | 2200 | 0.28 | 0.29 | 0.14 | 0.28 | 0.31 |
| | 3000 | 0.33 | 0.34 | 0.16 | 0.33 | 0.36 |

| Sheath | Enviroment |
|--------|--|
| PVC | Indoor |
| PE | Outdoor |
| LSFH | Special (Low Smoke Free of Halogen) |

| Over Lapped Foil composition Environment | |
|--|-----------------------------------|
| A | Aluminium+Polyester+Aluminium |
| B | Aluminium+Polyester |
| C | Copper+Polyester |
| D | Aluminium+Polypropylene+Aluminium |

| Other abbreviations | |
|---------------------|--|
| PE | Polyethylene |
| PEE | Foam Polyethylene |
| PVC | Polyvinyle Chlorhidre |
| AI | Aluminium |
| Cu | Copper |
| CCA | Copper Clad Aluminium |
| CCS | Copper Clad Steel |
| CuSn | Tinned Copper |
| TCCAM | Tinned Copper Clad Aluminium Magnesium |


TV DISTRIBUTION
COAXIAL CABLES AND CONNECTORS

| References | 2141 | 211603 | 210603 | 2127 212702 212703 | 2139 |
|--------------------------------|---|----------------------|----------------------|--------------------------|----------------------|
| Type | T-100plus B | CTX-5 B | CTX-5 B | CTX-1 B | CTX B |
| Euroclass | Eca | Eca | Eca | Eca | Eca |
| Inner Conductor | Ø mm Material Res. Max. Ohm/Km | 1.13 Cu 20 | 0.80 CCS 130 | 0.80 Cu 37 | 1.00 Cu 120 |
| Dielectric | Ø mm Material | 4.8 PEE | 3.4 PEE | 3.4 PEE | 4.7 PEE |
| Over Lapped Foil | Material Material | C Cu | B Al | A TCCAM | B Al |
| Braid | Res. Max. Ohm/Km Nc x Ns x Ø Coverage % | 20 16x4x0.1 38 | 35 16x4x0.1 55 | 35 16x4x0.1 55 | 30 16x3x0.1 77 |
| 2 nd shielding foil | No | No | No | No | No |
| Anti-migrating Film | Yes | No | No | No | No |
| Petro-Jelly | No | No | No | No | No |
| Outer sheath | Ø mm Material | 6.6 PVC | 5.0 PVC | 5.0 PVC | 6.7 PVC |
| Spark Test | VAC | 3000 | 3000 | 3000 | 3000 |
| Minimum bending radius | mm | 33.0 | 25.0 | 25.0 | 33.0 |
| Shielding Min. @1GHz | dB | 75 | 75 | 75 | 75 |
| Capacitance | pF/m | 55 | 53 | 53 | 54 |
| Impedance | Ohm | 75 | 75 | 75 | 75 |
| Transfer impedance | mOhm/m | 15.0 | 15.0 | 15.0 | 15.0 |
| Max. (5-30MHz) | | | | | |
| Velocity ratio | % | 82 | 82 | 82 | 82 |
| Attenuations (dB/m) | | | | | |
| Frequency (MHz) | 5 | 0.01 | 0.02 | 0.02 | 0.03 |
| | 47 | 0.04 | 0.06 | 0.06 | 0.05 |
| | 54 | 0.04 | 0.06 | 0.06 | 0.05 |
| | 90 | 0.05 | 0.07 | 0.07 | 0.06 |
| | 200 | 0.08 | 0.11 | 0.11 | 0.09 |
| | 500 | 0.13 | 0.18 | 0.18 | 0.15 |
| | 698 | 0.15 | 0.22 | 0.22 | 0.16 |
| | 800 | 0.16 | 0.23 | 0.23 | 0.17 |
| | 862 | 0.17 | 0.24 | 0.24 | 0.19 |
| | 950 | 0.18 | 0.25 | 0.25 | 0.20 |
| | 1000 | 0.19 | 0.25 | 0.25 | 0.20 |
| | 1220 | 0.20 | 0.29 | 0.29 | 0.25 |
| | 1350 | 0.22 | 0.30 | 0.30 | 0.27 |
| | 1750 | 0.25 | 0.34 | 0.34 | 0.32 |
| | 2050 | 0.26 | 0.37 | 0.37 | 0.35 |
| | 2150 | 0.27 | 0.38 | 0.38 | 0.37 |
| | 2200 | 0.28 | 0.40 | 0.40 | 0.37 |
| | 3000 | 0.33 | 0.45 | 0.45 | 0.39 |
| | | | | | 0.36 |

| Sheath | Enviroment |
|--------|--|
| PVC | Indoor |
| PE | Outdoor |
| LSFH | Special (Low Smoke Free of Halogen) |

| Over Lapped Foil composition Environment | |
|--|-----------------------------------|
| A | Aluminium+Polyester+Aluminium |
| B | Aluminium+Polyester |
| C | Copper+Polyester |
| D | Aluminium+Polypropylene+Aluminium |

| Other abbreviations | |
|---------------------|--|
| PE | Polyethylene |
| PEE | Foam Polyethylene |
| PVC | Polyvinyle Chlorhidre |
| AI | Aluminium |
| Cu | Copper |
| CCA | Copper Clad Aluminium |
| CCS | Copper Clad Steel |
| CuSn | Tinned Copper |
| TCCAM | Tinned Copper Clad Aluminium Magnesium |



TV DISTRIBUTION

COAXIAL CABLES AND CONNECTORS

Ref. | Description

EXTENSION CORDS**WITH TRIPLE SHIELDING CABLE**

| | | |
|--------|--|----------------------------|
| 3851 | Coaxial Cable Lead "F" Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385101 | Coaxial Cable Lead "F" Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385102 | Coaxial Cable Lead "F" Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 3852 | Coaxial Cable Lead "IEC" Male-Female Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385201 | Coaxial Cable Lead "IEC" Male-Female Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385202 | Coaxial Cable Lead "IEC" Male-Female Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 3853 | Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385301 | Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385302 | Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 3854 | Coaxial Cable Lead "F" - "IEC" Female Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385401 | Coaxial Cable Lead "F" - "IEC" Female Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385402 | Coaxial Cable Lead "F" - "IEC" Female Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 385501 | Coaxial Cable Lead "F" Compression - "IEC" Female "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 3856 | Coaxial Cable Lead "F" - "IEC" Male Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385601 | Coaxial Cable Lead "F" - "IEC" Male Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385602 | Coaxial Cable Lead "F" - "IEC" Male Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 385701 | Coaxial Cable Lead "F" Compression - "IEC" Male "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 3858 | Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385801 | Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385802 | Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 435501 | Coaxial Cable PVC Ø 6.6mm White 20m (Reel) | <input type="radio"/> 1 |
| 4371 | Coaxial Cable PVC Ø 6.6mm White 10m (Blister T2) | <input type="radio"/> 1/10 |

CLASS A++

▲ 3851

CLASS A++

▲ 385101

CLASS A++

▲ 385102

WITH DOUBLE SHIELDING CABLE

| | | |
|--------|--|---------------------------|
| 431001 | Coaxial Cable Lead "IEC" Ø 9.5mm Elbowed Shielded Male-Female 1,5m Grey (Blister T1) | <input type="radio"/> 1/8 |
| 431002 | Coaxial Cable Lead "IEC" Ø 9.5mm Elbowed Shielded Male-Female 2,5m Grey (Blister T1) | <input type="radio"/> 1/8 |

WITH SIMPLE SHIELDING CABLE

| | | |
|------|--|---------------------------|
| 4311 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 2.5m White (Blister T1) | <input type="radio"/> 1/8 |
| 4312 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 1.5m Black (Blister T1) | <input type="radio"/> 1/8 |
| 4314 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 2.5m Black (Blister T1) | <input type="radio"/> 1/8 |
| 4389 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 1.5m White (Blister T1) | <input type="radio"/> 1/8 |



▲ 4311



▲ 4312



▲ 4389



▲ 4389



▲ 431001



TV DISTRIBUTION

COAXIAL CABLES AND CONNECTORS

Televes

| Ref. | Description | |
|----------------------------|---|----------|
| CONNECTORS (75 OHM) | | |
| PRO EASYF | | |
| IEC type | | |
| 413210 | "PRO EasyF" "IEC" Ø 9.5mm Connector Male Elbowed Class A+ Shielded | 25/250 |
| 413310 | "PRO EasyF" "IEC" Ø 9.5mm Connector Female Elbowed Class A+ Shielded | 25/250 |
| 437401 | "PRO EasyF" "IEC" Ø 9.5mm Connector Male Elbowed Class A+ Shielded (Bag B1) | 1/10 |
| 437501 | "PRO EasyF" "IEC" Ø 9.5mm Connector Female Elbowed Class A+ Shielded (Bag B1) | 1/10 |
| 437601 | Set of "PRO EasyF" "IEC" Ø 9.5mm Connectors Male & Female Elbowed Class A+ Shielded (Bag B1) | 1/10 |
| "Quick F" type | | |
| 413410 | "PRO EasyF" "Quick F" Connector Elbowed Class A+ Shielded | 25/250 |
| ASSEMBLING | | |
| IEC type | | |
| 4130 | "IEC" Ø 9.5mm Connector Male Elbowed Shielded | 25/250 |
| 4131 | "IEC" Ø 9.5mm Connector Female Elbowed Shielded (Bag B1) | 25/250 |
| 4303 | "IEC" Ø 9.5mm Connector Female Straight (Bag B1) | 1/10 |
| 4305 | "IEC" Ø 9.5mm Connector Male Straight (Bag B1) | 1/10 |
| 4316 | Set of "IEC" Ø 9.5mm Connectors Male & Female Straight (Bag B1) | 1/10 |
| 437410 | "IEC" Ø 9.5mm Connector Male Elbowed Shielded (Bag B1) | 1/10 |
| 437510 | "IEC" Ø 9.5mm Connector Female Elbowed Shielded (Bag B1) | 1/10 |
| 437610 | Set of "IEC" Ø 9.5mm Connectors Male & Female Elbowed Shielded (Bag B1) | 1/10 |
| F type | | |
| 4120 | F" Connector for 1/2" Cable | 1/20 |
| "Quick F" type | | |
| 4176 | "Quick F" Connector Elbowed Shielded | 25/250 |
| 5/8" type | | |
| 4121 | 5/8" Connector with O-ring for 1/2" Cable | 1 |
| 4122 | 5/8" Connector with O-ring for TR-165 Ø 11mm Cable | 1 |
| COMPRESSION | | |
| IEC type | | |
| 3818 | "IEC" Connector Male Straight Compression for SK2000/110/100/6FPLUS Cables, Plastic box | 25/250 |
| 3819 | "IEC" Connector Female Straight Compression for SK2000/110/100/6FPLUS Cables, Plastic box | 25/250 |
| F type | | |
| 3802 | "F" Connector Compression for TSH Triple Shielded Cables (SK), Plastic Box | 50/500 |
| 4104 | "F" Connector Compression for T-100 Cable, Plastic Box | 50/500 |
| 4105 | "F" Connector Compression for CXT-5 (Ø 5mm) Cable, Plastic Box | 50/500 |
| 4106 | "F" Connector Compression for TR-165 Cable, Plastic Box | 25/250 |
| 410801 | "F" Connector Compression for T-200 Cable, Plastic Box | 50/500 |
| 410901 | "F" Connector Compression Elbowed for T-100 Cable | 25/500 |
| "Quick F" type | | |
| 410701 | "Quick F" Connector Compression Elbowed for T-100 & CXT-60 Cables, Plastic Box | 25/250 |
| 410702 | "Quick F" Connector Compression Elbowed for T-100 & CXT-60 Cables | 1000 |
| Kits | | |
| 216401 | Connection Kit for TSH Coaxial Cables – Carrying case which includes: 50x"F" Compression Connectors [ref. 3802], 1xCable Stripper [ref. 2145], 1xCompression tool [ref. 216301], 1xHEX-11 Wrench [ref. 216101] and 10xCaps [ref. 418001] | 1 |
| 216403 | Connection Kit for T100 Coaxial Cables – Carrying case which includes: 50x"F" Compression Connectors [ref. 4104], 1xCable Stripper [ref. 2145], 1xCompression tool [ref. 216301], 1xHEX-11 Wrench [ref. 216101] and 10xCaps [ref. 418001] | 1 |
| THREADED | | |
| F type | | |
| 3808 | "F" Connector Threaded with O-ring for CXT-5 (Ø 5mm) Cable, Plastic Box | 100/1000 |
| 4127 | "F" Connector Threaded with O-ring for CXT-5 (Ø 5mm) Cable | 30/600 |
| 417101 | "F" Connector Threaded with O-ring for T-100 Cable, Plastic Box | 100/1000 |
| 417102 | "F" Connector Threaded with O-ring for T-100 Cable, Plastic Box | 50 |
| 4306 | "F" Connector Threaded with O-ring for T-100 Cable + Weatherproof Cap (Bag B1) | 1/10 |
| 4317 | 2 "F" Connectors Threaded with O-ring for T-100 Cable (Bag B1) | 1/10 |
| 934650 | "F" Connector Threaded for CXT-50 Cable, Plastic Box | 50 |
| 9349 | "F" Connector Threaded for TR-165 Cable | 10/100 |

PRO EasyF Class A+ CONNECTORS

THE
EXCEPTIONAL
SCREENING
FOR A COAXIAL
NETWORK



▲ 4130



▲ 4120

▲ 4122



▲ 3802

▲ 4104



▲ 3818

▲ 410901



▲ 216401

▲ 4127



▲ 216401

**TV DISTRIBUTION****COAXIAL CABLES AND CONNECTORS**

| Ref. | Description | |
|------|-------------|--|
|------|-------------|--|

CONNECTORS (75 OHM)**ADAPTERS**

| | | |
|--------|---|--------|
| 3816 | "F" Male - "F" Female Elbowed Adapter, Plastic Box | 50/500 |
| 381730 | "F" Female - "IEC" Male Elbowed Adapter, Plastic Box | 50 |
| 3821 | "Quick F" Male - "F" Male Adapter, Plastic Box | 50/500 |
| 3836 | "F" Male - "F" Male Adapter, Plastic Box | 50/500 |
| 4123 | 5/8" Male - "F" Female Adapter | 1/20 |
| 4173 | "F" Female - "F" Female Adapter, Plastic Box | 50/500 |
| 417302 | "F" Female - "F" Female Adapter (washer and nut included) | 10/200 |
| 4307 | "F" Female - "F" Female Adapter (Bag B1) | 1/10 |



▲ 3821



▲ 3816



▲ 4123



▲ 4173



▲ 4307

TERMINAL LOAD

| | | |
|--------|---|----------|
| 3809 | Terminal Load "EasyF" 750hm without DC Blocked, Plastic Box | 100/1000 |
| 3829 | Terminal Load "F" 750hm with DC Blocked, Plastic Box | 50/500 |
| 4058 | Terminal Load "F" 750hm without DC Blocked | 10/200 |
| 405802 | Terminal Load "F" 750hm without DC Blocked, Plastic Box | 200/2000 |
| 4061 | Terminal Load "F" 750hm with DC Blocked | 10/200 |
| 4087 | Terminal Load "EasyF" 750hm with DC Blocked | 25 |
| 408701 | Terminal Load "EasyF" 750hm with DC Blocked, Plastic Box | 100/1000 |

ACCESSORIES

| | | |
|--------|---|--------|
| 4071 | DC Blocker "F" | 10 |
| 418001 | Weatherproof Cap for "F" Compression & Crimp Connectors | 10/250 |

| Ref. | Description | |
|------|-------------|--|
|------|-------------|--|

TOOLS**FOR COAXIAL CABLE**

| | | |
|------|--|----|
| 2145 | Professional Cable Stripper for Coaxial Cable and Data Cable | 10 |
| 2162 | Cable Stripper for Coaxial Cable and Data Cable (Bag B2) | 1 |
| 2325 | Round cable stripper for multifiber cables, data cables and coaxial cables | 1 |

FOR CONNECTORS

| | | |
|--------|---|-------|
| 216101 | Hex-11 Wrench for "F" Connectors | 1/250 |
| 216120 | Tightening Tool for "F" Connectors | 1 |
| 2163 | Tool for "F" Compression Connectors | 1 |
| 216301 | Tool for "F" Straight Compression Connectors | 1 |
| 216310 | Insertion Tool for "F" Compression Connectors | 1 |



▲ 216101



▲ 216120



▲ 2145



▲ 2162



▲ 2163



▲ 216301



▲ 216310

TV DISTRIBUTION
SET TOP BOXES AND DOMESTIC ACCESSORIES


| Ref. | Description | |
|-------------------|---|---|
| MODULATORS | | |
| 585301 | Modulator DVB-T 1i: HDMI - 1 Mux[174...230/470...862MHz]: CODFM (MPEG-4). With 2xUSB, HDMI pass-through and Remote Management | 1 |
| 5858 | Domestic Modulator with Display (VHF/UHF) | 1 |
| ★ 585915 | Analogue Modulator Octo PAL B/G (VHF/UHF) Wall mount (USB-microUSB OTG cable included) | 1 |
| ★ 585981 | Analogue Modulator Octo NTSC M-N (CATV) Wall mount (USB-microUSB OTG cable included) | 1 |



▲ 585301

| Ref. | Description | |
|----------------------------|---|------|
| A/V AND IR SENDERS | | |
| WIRELESS IR SENDERS | | |
| 721903 | Digidom Universal Transmitter, Remote Control Extender, 8 Channels | 1/50 |
| 723703 | Digidom Universal Transmitter + Receiver, Remote Control Extender, 8 Channels | 1/30 |



▲ 5858

| Ref. | Description | |
|--------------------------|--|---------|
| HDMI DISTRIBUTION | | |
| CABLE LEADS | | |
| 494501 | HDMI Cable Male-Male 1.5m Black (Blister T1) | ● 1/8 |
| 494502 | HDMI Cable Male-Male 3m Black (Blister T2) | ● 1/10 |
| 494503 | HDMI Cable Male-Male 5m Black (Blister T2) | ● 1/10 |
| 494505 | HDMI Cable Male-Male 1.5m Black (Bag) | ● 1/100 |



▲ 494501



▲ 494502



TV DISTRIBUTION

PROFESSIONAL EQUIPMENT

Ref. Description

FIELD STRENGTH METERS**H30 SERIES****H30+ & H30D+**

| | | |
|--------|---|---|
| 593901 | H30+: DVB-C | 1 |
| 593902 | H30D+: DVB-C + DOCSIS 3.1 | 1 |
| 593905 | H30D+ FULL: DVB-C + DVBT/T2 + DOCSIS 3.1 + WiFi Analyzer + IPTV Analyzer + HEVC display [Carrying Case and Coaxial Cable Lead included] | 1 |
| 593961 | H30D+: CATV + Remote Control + DOCSIS 3.0 [Smartphone Armband included] | 1 |
| 593980 | H30+: ATSC 1.0 + QAM [Smartphone Armband included] | 1 |
| 593981 | H30D+: ATSC 1.0 + QAM + DOCSIS 3.1 [Smartphone Armband included] | 1 |
| 593985 | H30D+ FULL: ATSC 1.0/3.0 + QAM + DOCSIS 3.1 + WiFi Analyzer + IPTV Analyzer + HEVC display [Smartphone Armband included] | 1 |

H30FLEX

| | | |
|--------|--|---|
| 593301 | H30FLEX: DVB-S/S2 + DVB-T | 1 |
| 593302 | H30FLEX: DVB-S/S2 + DVBT/T2 | 1 |
| 593303 | H30FLEX: DVB-S/S2 + DVB-C | 1 |
| 593304 | H30FLEX: DVB-S/S2 + DVBT/T2 + DVB-C | 1 |
| 593311 | H30FLEX: DVB-S/S2/T [Carrying Case and Coaxial Cable Lead included] | 1 |
| 593312 | H30FLEX: DVB-S/S2/T/T2 [Carrying Case and Coaxial Cable Lead included] | 1 |
| 593313 | H30FLEX: DVB-S/S2/C [Carrying Case and Coaxial Cable Lead included] | 1 |
| 593314 | H30FLEX: DVB-S/S2/T/T2/C [Carrying Case and Coaxial Cable Lead included] | 1 |
| 593360 | H30FLEX: DVB-S/S2 + QAM B | 1 |
| 593361 | H30FLEX: DVB-S/S2 + ISDB-T/Tb [Carrying Case included] | 1 |

H30Evolution

| | | |
|--------|--|---|
| 593501 | H30Evolution: DVB-S/S2 + DVB-T [Smartphone Armband included] | 1 |
| 593502 | H30Evolution: DVB-S/S2 + DVBT/T2 [Smartphone Armband included] | 1 |
| 593503 | H30Evolution: DVB-S/S2 + DVB-C [Smartphone Armband included] | 1 |
| 593504 | H30Evolution: DVB-S/S2 + DVBT/T2 + DVB-C [Smartphone Armband included] | 1 |
| 593505 | H30Evolution FULL: Full DVB (-S/S2 + -T/T2 + -C) + IPTV Option + WiFi 2,4/5 GHz Option + HEVC display + Coaxial Cable Lead + Carrying Case [Smartphone Armband included] | 1 |
| 593511 | H30Evolution: DVB-S/S2/T [Carrying Case, Coaxial Cable Lead and Smartphone Armband included] | 1 |
| 593512 | H30Evolution: DVB-S/S2/T/T2 [Carrying Case, Coaxial Cable Lead and Smartphone Armband included] | 1 |
| 593513 | H30Evolution: DVB-S/S2/C [Carrying Case, Coaxial Cable Lead and Smartphone Armband included] | 1 |
| 593514 | H30Evolution: DVB-S/S2/T/T2/C [Carrying Case, Coaxial Cable Lead and Smartphone Armband included] | 1 |
| 593581 | H30Evolution: ATSC 1.0 + QAM [Smartphone Armband included] | 1 |
| 593585 | H30Evolution: Full ATSC 1.0/3.0 + QAM (ITU-T J.83 Annex B) + IPTV Option + WiFi 2,4/5 GHz Option + HEVC display [Smartphone Armband included] | 1 |

H30D+**ALL THE FUNCTIONS YOU NEED,
ALSO IN CATV CABLE SYSTEMS**

The H30D+ is a lightweight, compact and robust equipment that includes a full range of tools and functionalities to successfully perform installation, maintenance and troubleshooting tasks in both analogue networks and digital networks with DVB-C channels. It stands out for incorporating advanced DOCSIS 3.1 measurements, automatic monitoring of the desired channel, double-check connectivity and the information about a QAM channel program content, among other powerful functions.

h30dplus.televes.com**H30FLEX****All the functions you need in your hand**h30flex.televes.com en.televes.com/h30flex**H30 EVOLUTION**h30evolution.televes.com en.televes.com/h30evolution



TV DISTRIBUTION PROFESSIONAL EQUIPMENT

Televes

Ref. | Description

FIELD STRENGTH METERS**H30 SERIES****H30Crystal**

| | | |
|--------|--|---|
| 593601 | H30Crystal: DVB-S/S2 + DVB-T, F.O. (Smartphone Armband included) | 1 |
| 593602 | H30Crystal: DVB-S/S2 + DVB-T/T2, F.O. (Smartphone Armband included) | 1 |
| 593603 | H30Crystal: DVB-S/S2 + DVB-C, F.O. (Smartphone Armband included) | 1 |
| 593604 | H30Crystal: DVB-S/S2 + DVB-T/T2 + DVB-C, F.O. (Smartphone Armband included) | 1 |
| 593605 | H30Crystal FULL: Full DVB (-S/S2 + -T/T2 + -C), F.O. + IPTV Option + WiFi 2,4/5 GHz Option + HEVC display + Coaxial Cable Lead + Carrying Case (Smartphone Armband included) | 1 |
| 593621 | H30Crystal: DVB-S/S2 + DVB-T, Selective F.O. (Smartphone Armband included) | 1 |
| 593622 | H30Crystal: DVB-S/S2 + DVB-T/T2, Selective F.O. (Smartphone Armband included) | 1 |
| 593624 | H30Crystal: DVB-S/S2 + DVB-T/T2 + DVB-C, Selective F.O. (Smartphone Armband included) | 1 |
| 593625 | H30Crystal FULL: Full DVB (-S/S2 + -T/T2 + -C), Selective F.O. + IPTV Option + WiFi 2,4/5 GHz Option + HEVC display + Coaxial Cable Lead + Carrying Case (Smartphone Armband included) | 1 |
| 593661 | H30Crystal: DVB-S/S2 + ISDB-T/Tb, F.O. (Carrying Case, Protective Sleeve Lead and Smartphone Armband included) | 1 |

Options

| | | |
|--------|--|---|
| 5909 | Calibration of Spectrum Analyzer (Certificate Included) | 1 |
| 593231 | Option DVB-T | 1 |
| 593232 | Option DVB-T2 (DVB-T required) | 1 |
| 593233 | Option DVB-C | 1 |
| 593234 | Option dCSS | 1 |
| 593235 | Option Extended Terrestrial Input to 120dB μ V | 1 |
| 593236 | Option Analogue A/V Display (Format Adapters and Protective Sleeve included) | 1 |
| 593250 | Option WiFi Analyzer (2,4/5GHz) | 1 |
| 593251 | Option IPTV Analyzer | 1 |
| 593252 | Option HEVC Display | 1 |
| 593280 | Option ATSC 3.0 | 1 |

Accessories

| | | |
|--------|--------------------------------------|---|
| 593201 | Protective Sleeve | 1 |
| 593202 | Replacement Battery | 1 |
| 593203 | Power Supply Unit 12V - 2A All Plugs | 1 |
| 593205 | Ports Protector | 1 |
| 593239 | Carrying Case | 1 |



H30CRYSTAL

ALL THE FUNCTIONS YOU NEED,
ALSO IN FIBER OPTICS

The H30Crystal expands H30 series of portable and compact meters by bringing strong efficiency in optic measurements. Its ability to analyse fiber-optic networks, along with all the features of previous models, makes this equipment a versatile and comprehensive tool for today's professional technicians, who are used to working with several telecommunication network technologies.

h30crystal.televes.comen.televes.com/h30crystal

| | | H30FLEX | H30EVOLUTION | H30CRYSTAL |
|---|-------------------------------|---|---|---|
| Multi-standard customizable | Return P: 5-50 MHz | ✓ | ✓ | ✓ |
| Frequency range | Terrestrial: 50-880 MHz | ✓ | ✓ | ✓ |
| | Satellite: 250-2400 MHz | ✓ (up to 2200MHz) | ✓ | ✓ |
| Screen | 2.8" TFT 400 - 240 full color | 2.8" TFT 400 - 240 full color | 2.8" TFT 400 - 240 full color | 2.8" TFT 400 - 240 full color |
| Multi-screen with touch control on mobile device | - | - | ✓ | ✓ |
| Smartphone armband | - | - | ✓ | ✓ |
| 2,4 / 5GHz WiFi connectivity | - | - | ✓ | ✓ |
| WiFi analyzator | - | - | ✓ (*) | ✓ (*) |
| Bluetooth connectivity | - | - | ✓ | ✓ |
| Ethernet interface | ✓ | - | ✓ | ✓ |
| USB interface | USB (A-type) | USB (A-type) | USB (A-type) | USB (A-type) |
| Optical measures | - | - | - | ✓ |
| Guided satellite pointing | - | - | ✓ | ✓ |
| IPTV analyzator | - | - | ✓ (*) | ✓ (*) |
| LNB Wideband compatible | - | - | ✓ | ✓ |
| HEVC displaying | on the meter | - | - | ✓ (*) |
| | on the mobile device | - | ✓ (*) | ✓ (*) |
| Terrestrial input level to 120dB μ V | ✓ (**) | ✓ (**) | ✓ (**) | ✓ (**) |
| dCSS compatible | ✓ (**) | ✓ (**) | ✓ (**) | ✓ (**) |
| Management interface access (datalogs, channel plan...) | Ethernet cable | Wireless (WiFi/Bluetooth) Ethernet cable | Wireless (WiFi/Bluetooth) Ethernet cable | Wireless (WiFi/Bluetooth) Ethernet cable |
| Dimensions | 175x100x52 mm | 175x100x52 mm | 175x100x52 mm | 175x100x52 mm |
| Weight | 510 g. | 510 g. | 510 g. | 550 g. |
| Color | Black & White | Black & Grey | Black & Grey | Light & dark grey |

* According to reference

** Free activation of the options with the meter registration



TV DISTRIBUTION PROFESSIONAL EQUIPMENT

| Ref. | Description | |
|------------------------------|--|---|
| FIELD STRENGTH METERS | | |
| MOSAIQ6 | | |
| Meters | | |
| 596101 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, F.O. (Carrying Bag included) | 1 |
| 596102 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, F.O. (Carrying Case included) | 1 |
| 596105 | MOSAIQ6 Advance: DVB-T/T2/S/S2/SX/C, CI, F.O., WiFi Analyzer, Analogue Measures, DAB/DAB+, 4K UHD (Carrying Bag included) | 1 |
| 596106 | MOSAIQ6 Advance: DVB-T/T2/S/S2/SX/C, CI, F.O., WiFi Analyzer, Analogue Measures, DAB/DAB+, 4K UHD (Carrying Case included) | 1 |
| 596111 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, Selective F.O. Interface (CWDM Filter) (Carrying Bag included) | 1 |
| 596112 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, Selective F.O. Interface (Carrying Case included) | 1 |
| 596115 | MOSAIQ6 Advance: DVB-T/T2/S/S2/SX/C, CI, Selective F.O. Interface (CWDM Filter), WiFi Analyzer, Analogue Measures, DAB/DAB+, 4K UHD (Carrying Bag included) | 1 |
| 596161 | MOSAIQ6: DVB-T/T2/S/S2/SX/C, ISDB-T/Tb, CI, F.O., Analogue Measures (Carrying Bag included) | 1 |
| Options | | |
| 596201 | Option GPS Drive Test | 1 |
| 596202 | Option WiFi Analyzer (2,4/5GHz) | 1 |
| 596203 | Option Analogue Measures | 1 |
| 596204 | Option DAB/DAB+ | 1 |
| 596205 | Option 4K - Ultra High Definition (UHD) | 1 |
| 596206 | Option ISDB-T/Tb | 1 |
| Accessories | | |
| 596210 | Stand-alone, field replaceable battery | 1 |
| 596211 | Carrying Bag | 1 |
| 596212 | Adapter "N" Male - "F" Female | 1 |
| 596213 | Screen Protector | 1 |
| 596214 | Carrying Case | 1 |

MOSAIQ6



Portable meter with high performance and high accuracy for professional installers.

THE POWER OF USER EXPERIENCE

6 SCREENS IN 1

Thanks to its configurable interface, you choose which widgets (up to 6) you want to simultaneously display in the 8" high resolution screen. Check the installation status at a glance.

A TRUE TOUCH SCREEN

This new interface has been designed and also programmed to take full advantage of a touch screen with touch gestures (tap, double tap, long press, drag, spread or pinch). Only in this way is it possible to operate so easily a meter with so many performances.

mosaiq6.televes.com

en.televes.com/mosaiq6



▲ 596210



▲ 596211



▲ 596214

Centralized management of field meters



Mycloud is the measurement portal that centralizes the management of all your MOSAIQ6 meters in Televes cloud through a unique interface accessible from any device.

More information: mycloud.televes.com



TV DISTRIBUTION PROFESSIONAL EQUIPMENT

Televes

| Ref. | Description | |
|----------------------------|---|------|
| SIGNAL GENERATORS | | |
| IF SIMULATOR | | |
| 4008 | SAT Simulator 950...2150MHz | 1 |
| TRIPLE LIGHT SOURCE | | |
| 2340 | OPS3L Triple Light Source (1310, 1490 & 1550nm) | 1 |
| NOISE GENERATOR | | |
| 593001 | SAT Simulator and Noise Generator 5...3000MHz | 1 |
| Ref. | Description | |
| OPTICAL FIBER | | |
| FUSION KITS | | |
| Electric arc splice | | |
| 232105 | F.O Kit: Arc Fusion Splicer + Stripper + Cleaver + Power adapter + Spare set of electrodes + Tweezers + Carrying Case | 1 |
| Mechanical splice | | |
| 2341 | F.O Kit: Connector & Mechanical Splice + Stripper [Ref. 2324] + Cleaver [Ref. 232301] + Cleaning Tools | 1 |
| TOOLS | | |
| 2322 | Fiber Mechanical Splicer | 1 |
| 232301 | Cleaver of Fiber Optics | 1 |
| 232310 | Kevlar® Scissors for Optical Fibers | 1 |
| 2324 | Precision Stripper for Optical Fibers | 1 |
| 2325 | Round cable stripper for multifiber cables, data cables and coaxial cables | 1 |
| 232910 | Cleaner for Fiber Optic Connectors | 1 |
| ACCESSORIES | | |
| 2327 | Splicing Protection Sleeve 60mm for FO fusion | 200 |
| 232701 | Splicing Protection Sleeve 43mm for FO fusion | 200 |
| 232702 | Splicing Protection Enclosure 101mm for FO fusion | 100 |
| 232710 | F.O. Cleaning Kit: 50 isopropyl alcohol Wipes + 25 Sticks | 1 |
| 232753 | Dry F.O. Cleaning wipes - 280 pcs/box | 1/60 |
| 2328 | Fiber Mechanical Splice | 10 |
| 2329 | Connector of Fiber Optics "SC/APC" (with mounting tool) | 10 |



▲ 4008



▲ 2340



▲ 2341



▲ 2322



▲ 232301



▲ 232105

Class 1M laser product

Televés
DATA COM

Networking and structured cabling products and solutions for data networks in commercial, hospitality and residential environments, aimed at the professional installer and integrator.





| Ref. | Description | | |
|-----------------------------------|--|----------|--|
| CABLES AND PATCH-CORDS | | | |
| MULTI-FIBER | | | |
| Tight buffer 250µm | | | |
| 231414 | FK16 Multi-fiber Cable 16 Single-mode Fibers Indoor/Outdoor UV Resistant LSFH Dca | 1 | |
| 231415 | FK16 Multi-fiber Cable 16 Single-mode Fibers Indoor/Outdoor UV-resistant LSFH Dca | 2000 | |
| 231614 | FK24 Multi-fiber Cable 24 Single-mode Fibers Indoor/Outdoor UV Resistant LSFH Dca | 1 | |
| 231615 | FK24 Multi-fiber Cable 24 Single-mode Fibers Indoor/Outdoor UV-resistant LSFH Dca | 2000 | |
| 231714 | FK48 Multi-fiber Cable 48 Single-mode Fibers Indoor/Outdoor UV Resistant LSFH Dca | 1 | |
| 231715 | FK48 Multi-fiber Cable 48 Single-mode Fibers Indoor/Outdoor UV-resistant LSFH Dca | 2000 | |
| 4 FIBERS | | | |
| Tight buffer 250µm | | | |
| 231942 | FK4 Fiber Cable 4 single-mode Fibers Indoor LSFH Cca | 500/1500 | |
| 2 FIBERS | | | |
| Tight buffer 250µm | | | |
| 231913 | FK2-Drop Cable 2 Single-mode Fibers Indoor (FTTH) LSFH | 1000 | |
| Tight buffer 900µm | | | |
| 231901 | FK2 Fiber Cable 2 Single-mode Fibers Indoor LSFH Dca | 300/1500 | |
| 231902 | FK2 Fiber Cable 2 Single-mode Fibers Indoor LSFH Dca | 750 | |
| 231905 | FK2 Fiber Cable 2 Single-mode Fibers Indoor LSFH Dca | 3000 | |
| 232001 | FK2 Fiber Cable 2 Single-mode Fibers Outdoor LSFH UV Resistant Dca | 200/1000 | |
| 232002 | FK2 Fiber Cable 2 Single-mode Fibers Outdoor LSFH UV Resistant Dca | 500 | |
| 232005 | FK2 Fiber Cable 2 Single-mode Fibers Outdoor LSFH UV Resistant Dca | 3000 | |
| PRE-TERMINATED PATCH CORDS | | | |
| With SC/APC connectors | | | |
| 230801 | Kit: Pigtail (900µm) F.O.Patch Cords Single-mode Indoor LSFH "SC/APC" 1m (24 units, various colours) | 1 | |
| 232602 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 2m. Convertible to Pigtail (900µm) | 25 | |
| 232603 | Pigtail (900µm) F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 1m | 25 | |
| 232610 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 5m | 1 | |
| 232611 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 10m | 1 | |
| 232612 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 15m | 1 | |
| 232613 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 20m | 1 | |
| 232614 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 25m | 1 | |
| 232615 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 30m | 1 | |
| 232616 | F.O.Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 40m | 1 | |
| 232621 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 2m (Bag B4) | 1/10 | |
| 232623 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 0.5m (Bag B4) | 1/20 | |
| 232626 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 1m (Bag B4) | 1/20 | |
| 232650 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 5m | 1 | |
| 232651 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 10m | 1 | |
| 232652 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 15m | 1 | |
| 232653 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 20m | 1 | |
| 232654 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 25m | 1 | |
| 232656 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 40m | 1 | |
| 232657 | F.O.Duplex Patch Cord Single-mode Indoor LSFH Dca "SC/APC" 55m | 1 | |



▲ 232610



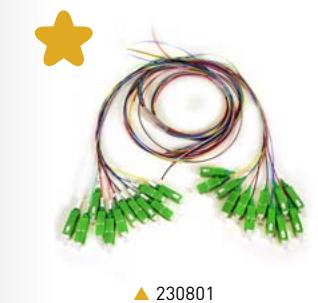
▲ 232653

F.O. CABLES

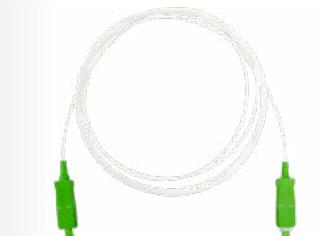
Fiber's tight buffer Ø 250µm



Fiber's tight buffer Ø 900µm



▲ 230801



▲ 232602



▲ 232603



| Ref. | Description | |
|-----------------------------------|---|--------|
| CABLES AND PATCH-CORDS | | |
| PRE-TERMINATED PATCH CORDS | | |
| With SC/PC connectors | | |
| 230901 | Pigtail (900µm) F.O.Patch Cord Multi-mode OM3 Indoor LSFH "SC/PC" 2m | ● 1 |
| 230911 | Pigtail (900µm) F.O.Patch Cord Multi-mode OM4 Indoor LSFH "SC/PC" 2m | ● 1 |
| 230920 | F.O. Duplex Patch Cord Multi-mode OM3 Indoor LSFH "SC/PC" 2m | ● 1 |
| 230930 | F.O. Duplex Patch Cord Multi-mode OM4 Indoor LSFH "SC/PC" 2m | ● 1 |
| With LC/APC connectors | | |
| 230608 | Pigtail (900µm) F.O.Patch Cord Single-mode Indoor LSFH "LC/APC" 1m | ● 1 |
| 230802 | Kit: Pigtails (900µm) F.O.Patch Cords Single-mode Indoor LSFH "LC/APC" 1m (24 units, various colours) | ● 1 |
| 232683 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 3m | ● 1 |
| With LC/UPC connectors | | |
| 230609 | Pigtail (900µm) F.O.Patch Cord Single-mode Indoor LSFH "LC/UPC" 1m | ○ 1 |
| 232662 | F.O.Duplex Patch Cord Single-mode Indoor LSFH "LC/UPC" 2m | ● 1 |
| 232672 | F.O.Patch Cord Single-mode Indoor LSFH "LC/UPC" 2m | ● 1 |
| With LC/PC connectors | | |
| 230601 | F.O.Patch Cord Multi-mode OM3 Indoor LSFH "LC/PC" 2m. Convertible to Pigtail (900µm) | ● 1 |
| 230622 | F.O.Duplex Patch Cord Multi-mode OM3 Indoor LSFH "LC/PC" 2m | ● 1 |
| 230912 | Pigtail (900µm) F.O.Patch Cord Multi-mode OM4 Indoor LSFH "LC/PC" 2m | ● 1 |
| 230932 | F.O.Duplex Patch Cord Multi-mode OM4 Indoor LSFH LC/PC 2m | ● 1 |
| With FC/UPC connectors | | |
| 2361 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 3m | ● 1 |
| 236101 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 5m | ● 1 |
| 236102 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 10m | ● 1 |
| 236103 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 20m | ● 1 |
| 236104 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 30m | ● 1 |
| 236105 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 40m | ● 1 |
| 236106 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 50m | ● 1 |
| 236107 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 75m | ● 1 |
| 236108 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 100m | ● 1 |
| 236109 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 200m | ● 1 |
| 236110 | F.O.Patch Cord Shielded Single-mode Outdoor LSFH UV Resistant "FC/UPC" 1m | ● 1 |
| Adapter cords | | |
| 230921 | F.O.Duplex Patch Cord Multi-mode OM3 Indoor LSFH "LC/PC-SC/PC" 2m | ● 1 |
| 230931 | F.O.Duplex Patch Cord Multi-mode OM4 Indoor LSFH "LC/PC-SC/PC" 2m | ● 1 |
| 232622 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-SC/UPC" 0.2m | ● 1 |
| 232624 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-FC/UPC" 2m (Bag B4) | ● 1/10 |
| 232625 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-SC/UPC" 0.4m | ● 1 |
| 232627 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-LC/UPC" 2m | ● 1 |
| 232628 | F.O.Patch Cord Single-mode Indoor LSFH "LC/APC-SC/APC" 2m | ● 1 |





Ref. | Description

**CABLES AND PATCH-CORDS****ACCESSORIES****Adapters**

| | | |
|--------|---|---------|
| 233203 | Simplex F.O. Adapter Single-Mode "SC/APC" Female - "SC/APC" Female, with Auto-blocking Cap, Plastic Box | 25 |
| 233210 | Duplex F.O. Adapter Single-Mode "SC/APC" Female - "SC/APC" Female, with Auto-blocking Cap | 20/1000 |
| 233211 | Duplex F.O. Adapter Multi-Mode "SC" Female - "SC" Female | 20 |
| 233212 | Duplex F.O. Adapter Single-Mode "LC" Female - "LC" Female, Plastic Box | 25 |
| 233213 | Duplex F.O. Adapter Multi-Mode "LC" Female - "LC" Female, Plastic Box | 25 |
| 2354 | Simplex F.O. Adapter Single-Mode "FC" Female - "FC" Female | 5 |
| 2356 | Simplex F.O. Adapter Single-Mode "FC" Female - "SC" Female | 5 |



▲ 233203



▲ 233210



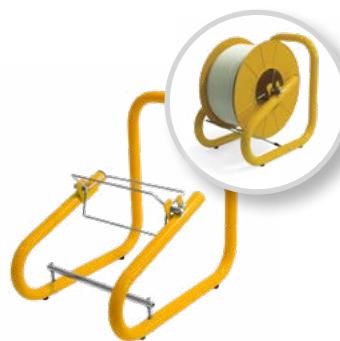
▲ 233211



▲ 233212



▲ 233213

▼ 2120xx
(Cable drum not included)**Dispensers**

| | | |
|--------|---|---|
| 212001 | Coaxial Cable / Optical Fiber Dispenser, Small model (Plastic drums: Coaxial cable 100m and F.O. 200/300m) | 1 |
| 212011 | Coaxial Cable / Optical Fiber Dispenser, Large model (Plastic drums: Coaxial cable 250m and F.O. 500/750m) | 1 |

Fixing

| | | |
|--------|---|---|
| 200101 | Velcro Tape for Cables 8m, Width: 20mm, Black (2 units) | 1 |
| 200102 | Velcro Flange for Cables, Width: 15mm, Black (10 units) | 1 |


DATACOM
OPTICAL FIBER

| Ref. | Description | |
|-----------------------------|---|------|
| OPTICAL DISTRIBUTION | | |
| SPLITTERS | | |
| SC/APC connection | | |
| 233710 | Optical Splitter 1250...1650nm "SC/APC" 2W 4dB | 1/10 |
| 233910 | Optical Splitter 1250...1650nm "SC/APC" 4W 7dB | 1/10 |
| 234410 | Optical Splitter 1250...1650nm "SC/APC" 8W 10dB | 1 |
| 234510 | Optical Splitter 1250...1650nm "SC/APC" 16W 14dB | 1 |
| 234610 | Optical Splitter 1250...1650nm "SC/APC" 32W 17dB | 1 |
| FC/UPC connection | | |
| 235701 | Optical Splitter 1250...1650nm "FC/UPC" 2W 4dB | 1 |
| 235901 | Optical Splitter 1250...1650nm "FC/UPC" 4W 7dB | 1 |
| 236001 | Optical Splitter 1250...1650nm "FC/UPC" 8W 10.1dB | 1 |
| SPLITTERS (PLC) | | |
| 233750 | Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 2W 4dB | 1 |
| 233950 | Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 4W 7dB | 1 |
| 234450 | Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 8W 10dB | 1 |
| 234550 | Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 16W 14dB | 1 |
| 234650 | Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 32W 17dB | 1 |
| ATTENUATORS | | |
| SC/APC connection | | |
| 236410 | Optical Attenuator 1310/1550nm "SC/APC" 2dB | 1 |
| 236411 | Optical Attenuator 1310/1550nm "SC/APC" 5dB | 1 |
| 236412 | Optical Attenuator 1310/1550nm "SC/APC" 10dB | 1 |
| 236413 | Optical Attenuator 1310/1550nm "SC/APC" 15dB | 1 |
| FC/UPC connection | | |
| 2364 | Optical Attenuator 1310/1550nm "FC/UPC" 5dB | 5 |
| 2365 | Optical Attenuator 1310/1550nm "FC/UPC" 10dB | 5 |
| 2366 | Optical Attenuator 1310/1550nm "FC/UPC" 15dB | 5 |
| MULTIPLEXERS (WDM) | | |
| 234740 | WDM Module Optical Multiplexer/Demultiplexer 1i/2o "SC/APC": GPON+RF: Data (1310/1490nm) - TV (1550nm) | 1 |



▲ 233910



▲ 234610



▲ 234450



▲ 236413



▲ 2364



▲ 234740



| Ref. | Description | |
|-----------------------------|--|--------|
| OPTICAL DISTRIBUTION | | |
| PATCH BOXES | | |
| 231502 | F.O. Patch/Splitting Box 2 to 4 Outs ("SC/APC" Female - Female adapters included) | 1 |
| 231520 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 15m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231521 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 25m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231522 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 40m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231523 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 55m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231524 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 70m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231525 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 85m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231526 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 100m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231530 | F.O. Patch Box 4 Outs: 4 Pre-terminated Cca Fibers of 15m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231531 | F.O. Patch Box 4 Outs: 4 Pre-terminated Cca Fibers of 25m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231532 | F.O. Patch Box 4 Outs: 4 Pre-terminated Cca Fibers of 40m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231533 | F.O. Patch Box 4 Outs: 4 Pre-terminated Fca Fibers of 55m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231534 | F.O. Patch Box 4 Outs: 4 Pre-terminated Cca Fibers of 70m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231535 | F.O. Patch Box 4 Outs: 4 Pre-terminated Cca Fibers of 85m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231536 | F.O. Patch Box 4 Outs: 4 Pre-terminated Cca Fibers of 100m on one end with dispenser box ("SC/APC" Female - Female adapters included) | 1 |
| 231540 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 15m on one end ("SC/APC" Female - Female adapters included) | 1 |
| 231541 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 25m on one end ("SC/APC" Female - Female adapters included) | 1 |
| 231542 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 40m on one end ("SC/APC" Female - Female adapters included) | 1 |
| 231543 | F.O. Patch Box 2 to 4 Outs: 2 Pre-terminated Dca Fibers of 55m on one end ("SC/APC" Female - Female adapters included) | 1 |
| OUTLETS/KEYSTONES | | |
| 233230 | Keystone Module for F.O. Adapter "SC" Simplex or "LC" Duplex Female, Plastic Box | 25/250 |
| 233231 | F.O. Outlet: Keystone Module + Adapter "SC / APC" Female with Internal Shutter, Plastic Box | 20/200 |
| 233232 | F.O. Rosette + Simplex Adapter "SC/APC" Female with Internal Shutter | 5 |
| 233240 | F.O. Outlet Kit:Keystone Module + Adapter "SC / APC" Female with Internal Shutter + Patch Cord Single-mode Pre-terminated LSFH Dca 10m | 10 |
| 233241 | F.O. Outlet Kit:Keystone Module + Adapter "SC / APC" Female with Internal Shutter + Patch Cord Single-mode Pre-terminated LSFH Dca 15m | 8 |
| 233242 | F.O. Outlet Kit:Keystone Module + Adapter "SC / APC" Female with Internal Shutter + Patch Cord Single-mode Pre-terminated LSFH Dca 25m | 6 |



▲ 23152x / 23153x



▲ 231540



▲ 233230



▲ 233231



▲ 233232



▲ 233242


DATACOM
COPPER SOLUTIONS

Ref. | Description

CABLES AND PATCH-CORDS**CATEGORY 7A****Copper (Cu)**

| | | | | |
|--------|---|--|--|-----|
| 219202 | Data Cable DK7000A S/FTP Cat 7A Dca Cu 23AWG LSFH Ø 7,7mm White | | | 500 |
|--------|---|--|--|-----|

CATEGORY 7**Copper (Cu)**

| | | | | |
|--------|---|--|--|-----|
| 219102 | Data Cable DK7000 S/FTP Cat 7 Cca Cu 23AWG LSFH Ø 7,4mm White | | | 500 |
|--------|---|--|--|-----|

CATEGORY 6A**Copper (Cu)**

| | | | | |
|--------|---|--|--|-----|
| 219302 | Data Cable DK6000A U/FTP Cat 6A Cca Cu 23AWG LSFH Ø 6,9mm White | | | 500 |
|--------|---|--|--|-----|

| | | | | |
|--------|--|--|--|-----|
| 219312 | Data Cable DK6000A U/UTP Cat 6A Cca Cu 23AWG LSFH Ø 7,3mm Violet | | | 500 |
|--------|--|--|--|-----|

| | | | | |
|--------|--|--|--|-----|
| 219322 | Data Cable DK6000A F/UTP Cat 6A Dca Cu 23AWG LSFH Ø 7,3mm Violet | | | 500 |
|--------|--|--|--|-----|

CATEGORY 6**Copper (Cu)**

| | | | | |
|--------|--|--|--|-----|
| 212101 | Data Cable DK6000 F/UTP Cat 6 Dca Cu 23AWG LSFH Ø 7,2mm Violet | | | 500 |
|--------|--|--|--|-----|

| | | | | |
|--------|---|--|--|-----|
| 212201 | Data Cable DK6000 U/UTP Cat 6 Fca Cu 23AWG PE Ø 6,2mm White | | | 305 |
|--------|---|--|--|-----|

| | | | | |
|------|--|--|--|-----|
| 2123 | Data Cable DK6000 U/UTP Cat 6 Dca Cu 23AWG LSFH Ø 6,2mm Violet | | | 305 |
|------|--|--|--|-----|

| | | | | |
|--------|--|--|--|------|
| 212302 | Data Cable DK6000 U/UTP Cat 6 Dca Cu 23AWG LSFH Ø 6,2mm Violet | | | 1000 |
|--------|--|--|--|------|

| | | | | |
|--------|---|--|--|-----|
| 212305 | Data Cable DK6000 U/UTP Cat 6 Dca Cu 23AWG LSFH Ø 6,2mm White | | | 500 |
|--------|---|--|--|-----|

| | | | | |
|--------|---|--|--|-----|
| 212310 | Data Cable DK6000 U/UTP Cat 6 Dca Cu 24AWG LSFH Ø 6,0mm White | | | 305 |
|--------|---|--|--|-----|

| | | | | |
|--------|---|--|--|-----|
| 212330 | Data Cable DK6000 U/UTP Cat 6 Cca Cu 23AWG LSFH Ø 6,1mm White | | | 500 |
|--------|---|--|--|-----|

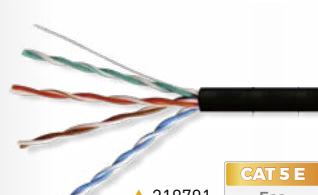
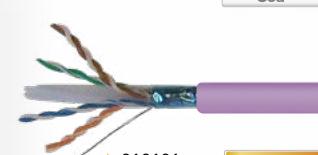
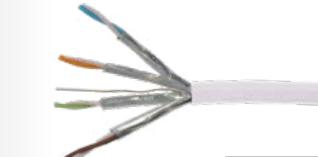
Copper Clad Aluminium (CCA)

| | | | | |
|--------|--|--|--|-----|
| 219910 | DK6000 Data Cable U/UTP Cat 6 Fca CCA 23AWG LSFH Ø 6,2mm White | | | 305 |
|--------|--|--|--|-----|

CATEGORY 5E**Copper (Cu)**

| | | | | |
|--------|--|--|--|-----|
| 219602 | Data Cable DK5000E U/UTP Cat 5E Eca Cu 24AWG LSFH Ø 5,5mm Grey | | | 305 |
|--------|--|--|--|-----|

| | | | | |
|--------|---|--|--|-----|
| 219701 | Data Cable DK5000E U/UTP Cat 5E Fca Cu 24AWG PE Ø 5,5mm Black | | | 305 |
|--------|---|--|--|-----|



| References | 219202 | 219102 | 219302 | 219312 | 219322 | 212330 | 212101 | 212302 212305 | 212310 | 212201 | 219910 | 219602 | 219701 |
|---------------------------|----------|--------|--------|--------|--------|--------|--------|------------------|--------|--------|--------|--------|-----------------|
| Type | S/FTP | S/FTP | U/FTP | U/UTP | F/UTP | U/UTP | F/UTP | U/UTP | U/UTP | U/UTP | U/UTP | U/UTP | U/UTP |
| Category | 7A | 7 | 6A | 6A | 6A | 6 | 6 | 6 | 6 | 6 | 6 | 5E | 5E |
| Euroclass | Dca | Cca | Cca | Cca | Dca | Cca | Dca | Dca | Dca | Fca | Eca | Eca | Fca |
| Conductor | Ø mm | 0.58 | 0.55 | 0.55 | 0.55 | 0.54 | 0.55 | 0.55 | 0.51 | 0.55 | 0.59 | 0.50 | 0.50 |
| Conductor Type | Material | Cu | Cu | Cu | CCA | Cu | Electrolytic Cu |
| Conductor isolation | AWG | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 24 | 23 | 23 | 24 | 24 |
| Conductor isolation | Ø mm | 1.43 | 1.30 | 1.30 | 1.10 | 1.14 | 0.99 | 1.14 | 1.02 | 0.92 | 0.95 | 0.95 | 0.95 |
| Filter | Material | PE | PE | PE | PE | PE | PE |
| Shielding foil | Material | A | A | A | No | A | No | A | No | No | No | No | No |
| Outer shielding braid | Material | CuSn | CuSn | No | No | No | No | No | No | No | No | No | No |
| Ground cable | Ø mm | No | No | 0,4 | No | 0,4 | No | No | No | No | No | No | No |
| Outer sheath | Material | No | No | CuSn | No | CuSn | No | No | No | No | No | No | No |
| Thickness (mm) | Ø mm | 7.70 | 7.40 | 6.90 | 7.30 | 7.30 | 6.10 | 7.20 | 6.20 | 6.00 | 6.20 | 5.50 | 5.50 |
| Rip cord | Material | LSFH | LSFH | PE | LSFH | LSFH | PE |
| Nominal impedance | Ohm | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Max. conductor resistance | Ohm/Km | 93.80 | 93.80 | 93.80 | 93.80 | 93.80 | 93.80 | 117.00 | 117.00 | 117.00 | 117.00 | 117.00 | 117.00 |
| Nominal speed | % | 79 | 79 | 79 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 69 | 69 |

Over Lapped Foil composition Environment

A Aluminium + Polyester

Other abbreviations

Cu Copper

CuSn Tinned copper

CCS Copper Clad Steel



| Ref. | Description | |
|-------------------------------|---|-------------------------------------|
| CABLES AND PATCH-CORDS | | |
| PATCH-CORDS | | |
| Category 6A | | |
| 209101 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 0.5m Grey (Bag B0) | <input checked="" type="radio"/> 1 |
| 209102 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 1m Grey (Bag B0) | <input checked="" type="radio"/> 1 |
| 209103 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 2m Grey (Bag B0) | <input checked="" type="radio"/> 1 |
| 209104 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 3m Grey (Bag B0) | <input checked="" type="radio"/> 1 |
| 209105 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 5m Grey (Bag B0) | <input checked="" type="radio"/> 1 |
| 209111 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 0.5m Grey | <input checked="" type="radio"/> 10 |
| 209112 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 1m Grey | <input checked="" type="radio"/> 10 |
| 209113 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 2m Grey | <input checked="" type="radio"/> 10 |
| 209114 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 3m Grey | <input checked="" type="radio"/> 10 |
| 209115 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 5m Grey | <input checked="" type="radio"/> 10 |
| Category 6 | | |
| 209002 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 1m White (Bag B0) | <input type="radio"/> 1 |
| 209003 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 2m White (Bag B0) | <input type="radio"/> 1 |
| 209004 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 3m White (Bag B0) | <input type="radio"/> 1 |
| 209005 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 5m White (Bag B0) | <input type="radio"/> 1 |
| 209011 | Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 0,5m White | <input type="radio"/> 10 |
| 209012 | Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 1m White | <input type="radio"/> 10 |
| 209013 | Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 2m White | <input type="radio"/> 10 |
| 209014 | Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 3m White | <input type="radio"/> 10 |
| 209015 | Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 5m White | <input type="radio"/> 10 |
| 209301 | Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 0,3m White | <input type="radio"/> 1 |
| ACCESSORIES | | |
| 200101 | Velcro Tape for Cables 8m, Width: 20mm, Black (2 units) | <input checked="" type="radio"/> 1 |
| 200102 | Velcro Flange for Cables, Width: 15mm, Black (10 units) | <input checked="" type="radio"/> 1 |



▲ 209101



▲ 209111



▲ 209004



▲ 200101



▲ 200102



▲ 209015



DATACOM

COPPER SOLUTIONS

| Ref. | Description | |
|--------------------------|---|------|
| CONNECTORS | | |
| CATEGORY 6A | | |
| 209921 | Data Connector RJ45 UTP Cat 6A Female. Wing-nut assembly type, Plastic Box | 10 |
| 209922 | Data Connector RJ45 UTP Cat 6A Male, Plastic Box | 50 |
| 209923 | Data Connector RJ45 FTP Cat 6A Female. Grip assembly type, Plastic Box | 10 |
| 209924 | Data Connector RJ45 FTP Cat 6A Male with Blue Protective Sleeve. Grip assembly type | 25 |
| CATEGORY 6 | | |
| 209901 | Data Connector RJ45 UTP Cat 6 Female 90°/180°. Assembly with/without Tool, White, Plastic Box | 15 |
| 209902 | Data Connector RJ45 UTP Cat 6 Male, Plastic Box | 50 |
| 209903 | Data Connector RJ45 FTP Cat 6 Female. Grip assembly type, Plastic Box | 10 |
| 209904 | Data Connector RJ45 FTP Cat 6 Male, Plastic Box | 50 |
| 209905 | Data Connector RJ45 UTP Cat 6 Female. Wing-nut assembly type, Plastic Box | 10 |
| 209906 | Data Connector RJ45 UTP Cat 6 Male Pass-Through, Plastic Box | 50 |
| 209907 | Data Connector RJ45 UTP Cat 6 Female 90°/180°. Assembly with/without Tool, Black, Plastic Box | 15 |
| 209961 | Data Connector RJ45 UTP Cat 6 Male with White Protective Sleeve, Plastic Box | 25 |
| 209962 | Data Connector RJ45 UTP Cat 6 Male with Grey Protective Sleeve, Plastic Box | 25 |
| 209965 | Data Connector RJ45 UTP Cat 6 Male Pass-Through with White Protective Sleeve, Plastic Box | 25 |
| 209966 | Data Connector RJ45 UTP Cat 6 Male Pass-Through with Grey Protective Sleeve, Plastic Box | 25 |
| KITS | | |
| 2099401 | Kit - Carrying case which includes: 50xRJ45 UTP Cat 6 Male connectors [ref. 209902], 15xRJ45 UTP Cat 6 Female connectors [ref. 209901], 1xCrimping tool [ref. 209801] and 10xVelcros flange [ref. 200102] | 1 |
| 2099402 | Kit - Carrying case which includes: 150xRJ45 male connectors Cat6 UTP pass through [ref. 209906], 1xAutomatic crimping tool for male connectors pass through and non-pass through [ref. 209802] and 10xVelcros flange [ref. 200102] | 1 |
| Ref. | Description | |
| TOOLS | | |
| 209801 | Crimping Tool for RJ45/RJ11/RJ12 and 4P4C/4P2C Male Connectors | 1 |
| 209802 | Crimping Tool with Automatic Cutting for pass-through and non-pass through RJ45 Male Connectors | 1 |
| 209811 | Termination Tool for RJ45 Female Connectors | 1 |
| 2145 | Professional Cable Stripper for Coaxial Cable and Data Cable | 10 |
| 2162 | Cable Stripper for Coaxial Cable and Data Cable (Bag B2) | 1 |
| 2174 | Professional Tool for Data Cable Mounting | 1/20 |
| 2325 | Round cable stripper for multifiber cables, data cables and coaxial cables | 1 |
| Ref. | Description | |
| DATA DISTRIBUTION | | |
| PATCH BOXES | | |
| 546501 | Passive Multiplexer "RJ45" Cat 6 1 Male - 9 Females, with 0.3m LSFH Lead | 1 |
| OUTLETS/ROSETTES | | |
| 209910 | Data Terminal Box/Rosette with 1 UTP Cat 6 Female RJ45 Connector | 5 |



Comparative video of a connectorization with and without a mounting tool.




DATACOM
RACKS AND CABINETS

| Ref. | Description | |
|------------------|--|-----|
| 19" RACKS | | |
| RACKS | | |
| 600x450mm | | |
| 533105 | 19" Rack Cabinet 6RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x370x450mm. Wall/Ground Mount (Disassembled) | 1 |
| 533106 | 19" Rack Cabinet 6RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x370x450mm. Wall/Ground Mount | 1 |
| 533107 | 19" Rack Cabinet 8RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x460x450mm. Wall/Ground Mount (Disassembled) | 1 |
| 533108 | 19" Rack Cabinet 8RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x460x450mm. Wall/Ground Mount | 1 |
| 533112 | 19" Rack Cabinet 13RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x682x450mm. Wall/Ground Mount (Disassembled) | 1/1 |
| 533113 | 19" Rack Cabinet 13RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x682x450mm. Wall/Ground Mount | 1 |
| 533114 | 19" Rack Cabinet 15RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x771x450mm. Wall/Ground Mount (Disassembled) | 1 |
| 533115 | 19" Rack Cabinet 15RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x771x450mm. Wall/Ground Mount | 1 |



▲ 533105/06



▲ 533107/08



▲ 533112/13



▲ 533114/15



In case of references that are supplied disassembled

| REF. | N.º RU | MOUNTING | Max. LOAD CAPACITY (kg) | SUPPLY | LOCK | CABLE GUIDE | PERFORATED DOORS | WHEEL COMPATIBLE | COMPATIBLE FAN |
|--------|----------|-----------------|-------------------------|--------------|------------------------------|-------------|------------------|------------------|-----------------|
| 533105 | 6 + 2RU | Wall and ground | 60 | Disassembled | Basic, Front | Horizontal | - | - | 533174 |
| 533106 | 6 + 2RU | Wall and ground | 60 | Assembled | Basic, Front | Horizontal | - | - | 533174 |
| 533107 | 8 + 2RU | Wall and ground | 60 | Disassembled | Basic, Front | Horizontal | - | - | 533174 |
| 533108 | 8 + 2RU | Wall and ground | 60 | Assembled | Basic, Front | Horizontal | - | - | 533174 |
| 533112 | 13 + 2RU | Wall and ground | 60 | Disassembled | Basic, Front | Horizontal | - | - | 533174 |
| 533113 | 13 + 2RU | Wall and ground | 60 | Assembled | Basic, Front | Horizontal | - | - | 533174 |
| 533114 | 15 + 2RU | Wall and ground | 60 | Disassembled | Basic, Front | Horizontal | - | - | 533174 |
| 533115 | 15 + 2RU | Wall and ground | 60 | Assembled | Basic, Front | Horizontal | - | - | 533174 |
| 533119 | 18RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533118 | 18RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533121 | 22RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533122 | 22RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533126 | 27RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533127 | 27RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533131 | 32RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533132 | 32RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533133 | 32RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533134 | 32RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533136 | 37RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533137 | 37RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533175 |
| 533138 | 37RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533176 |
| 533139 | 37RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533176 |
| 533141 | 42RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533176 |
| 533142 | 42RU | Ground | 1.000 | Assembled | Professional, Front and Rear | - | - | ✓ | 533176 |
| 533143 | 42RU | Ground | 1.000 | Disassembled | Professional, Front and Rear | - | - | ✓ | 533176 |
| 533144 | 42RU | Ground | 1.000 | Assembled | Professional, Front and Rear | Vertical | - | ✓ | 533176 |
| 533145 | 42RU | Ground | 1.000 | Assembled | Professional, Front and Rear | Vertical | ✓ | ✓ | 533176 |
| 533146 | 42RU | Ground | 1.000 | Assembled | Professional, Front and Rear | Vertical | ✓ | ✓ | To Be Consulted |
| 533147 | 42RU | Ground | 1.000 | Assembled | Professional, Front and Rear | Vertical | - | ✓ | To Be Consulted |


DATACOM
RACKS AND CABINETS

| Ref. | Description | |
|--------------------|--|---|
| 19" RACKS | | |
| RACKS | | |
| 600x600mm | | |
| 533118 | 19" Rack Cabinet 18RU. Glazed Door and Accessible from the side. Dimensions: 600x942x600mm. Ground Mount | 1 |
| 533119 | 19" Rack Cabinet 18RU. Glazed Door and Accessible from the side. Dimensions: 600x942x600mm. Ground Mount (Disassembled) | 1 |
| 533121 | 19" Rack Cabinet 22RU. Glazed Door and Accessible from the side. Dimensions: 600x1120x600mm. Ground Mount (Disassembled) | 1 |
| 533122 | 19" Rack Cabinet 22RU. Glazed Door and Accessible from the side. Dimensions: 600x1120x600mm. Ground Mount | 1 |
| 533126 | 19" Rack Cabinet 27RU. Glazed Door and Accessible from the side. Dimensions: 600x1342x600mm. Ground Mount (Disassembled) | 1 |
| 533127 | 19" Rack Cabinet 27RU. Glazed Door and Accessible from the side. Dimensions: 600x1342x600mm. Ground Mount | 1 |
| 533131 | 19" Rack Cabinet 32RU. Glazed Door and Accessible from the side. Dimensions: 600x1564x600mm. Ground Mount (Disassembled) | 1 |
| 533132 | 19" Rack Cabinet 32RU. Glazed Door and Accessible from the side. Dimensions: 600x1564x600mm. Ground Mount | 1 |
| 533136 | 19" Rack Cabinet 37RU. Glazed Door and Accessible from the side. Dimensions: 600x1787x600mm. Ground Mount (Disassembled) | 1 |
| 533137 | 19" Rack Cabinet 37RU. Glazed Door and Accessible from the side. Dimensions: 600x1787x600mm. Ground Mount | 1 |
| 600x800mm | | |
| 533133 | 19" Rack Cabinet 32RU. Glazed Door and Accessible from the side. Dimensions: 600x1570x800mm. Ground Mount (Disassembled) | 1 |
| 533134 | 19" Rack Cabinet 32RU. Glazed Door and Accessible from the side. Dimensions: 600x1570x800mm. Ground Mount | 1 |
| 533138 | 19" Rack Cabinet 37RU. Glazed Door and Accessible from the side. Dimensions: 600x1790x800mm. Ground Mount (Disassembled) | 1 |
| 533139 | 19" Rack Cabinet 37RU. Glazed Door and Accessible from the side. Dimensions: 600x1790x800mm. Ground Mount | 1 |
| 533141 | 19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 600x2010x800mm. Ground Mount (Disassembled) | 1 |
| 533142 | 19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 600x2010x800mm. Ground Mount | 1 |
| 800x800mm | | |
| 533143 | 19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 800x2010x800mm. Ground Mount (Disassembled) | 1 |
| 533144 | 19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 800x2010x800mm. Ground Mount | 1 |
| 533145 | 19" Rack Cabinet 42RU. Perforated doors [double front, single rear] and Accessible from the side. Dimensions: 800x2010x800mm. Ground Mount | 1 |
| 800x1000mm | | |
| 533146 | 19" Rack Cabinet 42RU. Perforated doors [double front, single rear] and Accessible from the side. Dimensions: 800x2010x1000mm. Ground Mount | 1 |
| 533147 | 19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 800x2010x1000mm. Ground Mount | 1 |
| Rack frames | | |
| 533101 | Rack frame from 10" to 19" 8RU. Wall or perforated plate installation | 1 |



▲ 533118



▲ 533122



▲ 533127



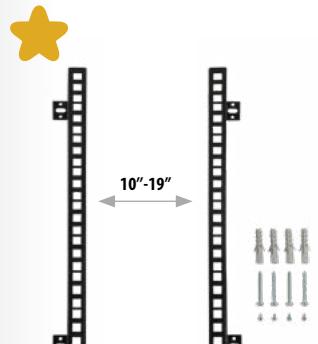
▲ 533132



▲ 533137



▲ 533144



▲ 533101


DATACOM
RACKS AND CABINETS

| Ref. | Description | |
|---------------------------------|---|----|
| 19" RACKS | | |
| PANELS | | |
| Patch panels | | |
| 533150 | Panel for Rack 19" 1RU, Up to 24 "F" connectors | 1 |
| 533151 | Panel for Rack 19" 1RU, Up to 24 "RJ45" connectors. UTP compatible | 1 |
| 533153 | Panel for Rack 19" 1RU, Up to 2x7 "F" connectors (suitable for T.OX modules) | 1 |
| 533180 | Patch Panel for Rack 19" 1RU, With 24 "RJ45" Cat 6 UTP connectors | 1 |
| 533181 | Patch Panel for Rack 19" 1RU, With 24 "RJ45" Cat 6A FTP connectors | 1 |
| 533183 | Panel for Rack 19" 1RU, Up to 24 "SC" Duplex or "LC" Quad connectors | 1 |
| 533187 | Panel for Rack 19" 1RU, Up to 24 "RJ45" connectors with cable holder. UTP/FTP compatible | 1 |
| Organizing panels | | |
| 533158 | Cable Management Panel for Rack 19" 1RU, 5 Rings of 80mm | 1 |
| 533159 | Cable Management Panel for Rack 19" 1RU, 1 Hole with Brush Strip | 1 |
| 533160 | Cable Management Panel for Rack 19" 1RU, Front Cover | 1 |
| 533186 | DIN Rail Panel for Rack 19" 3RU, 24 Poles | 1 |
| 533190 | Mounting plate for Rack 19" 4RU (Depth 62mm) | 1 |
| Blank panels | | |
| 533161 | Blank Panel for Rack 19" 1RU | 1 |
| 533162 | Blank Panel for Rack 19" 2RU | 1 |
| TRAYS AND SPLICING BOXES | | |
| 533152 | Splice Box for Rack 19" 1RU, Up to 24 "SC" Simplex or "LC" Duplex connectors (Depth 226mm) | 1 |
| 533157 | Splice Box for Rack 19" 2RU, Up to 48 "SC" Simplex or "LC" Duplex connectors (Depth 226mm) | 1 |
| 533168 | Sliding Tray for Rack 19" 1RU (compatible with 450/600mm deep racks). Depth: 350mm. Sliding length: 225mm | 1 |
| 533169 | Sliding Tray for Rack 19" 1U (compatible with 800/1000mm deep racks). Depth: 550mm. Sliding length: 390mm | 1 |
| 533182 | Splice Box for Rack 19" 1RU, Up to 24 "SC" Duplex or "LC" Quad connectors (Depth 226mm) | 1 |
| 533185 | Fixed tray for Rack 19" 2RU (Depth 350mm) | 1 |
| 533201 | LGX rack mount for Rack 19" 1RU, Up to 3 LGX modules | 1 |
| 533202 | Duplex F.O. module single-mode pre-terminated 6xSC/APC | 1 |
| 533203 | Duplex F.O. module multi-mode pre-terminated 6xSC-SC | 1 |
| 533204 | Duplex F.O. module single-mode pre-terminated 8xLC-LC | 1 |
| 533205 | Duplex F.O. module multi-mode pre-terminated 8xLC-LC | 1 |
| VENTILATION | | |
| 533005 | Thermostat with NO Contact 0...60°C for Rack 19" | 1 |
| 533174 | Individual Top Fan for Rack 19", 195m3/h | 1 |
| 533175 | Top Tray with 2 Fans for Rack 19" and 600mm depth, 390m3/h | 1 |
| 533176 | Top Tray with 4 Fans for Rack 19" and 800mm depth, 780m3/h | 1 |
| POWER SUPPLY | | |
| 533001 | Power Distribution Panel for Rack 19" 1RU, 8 Schuko Outlets 16A with ON/OFF switch | 1 |
| 533010 | SAI/UPS 1600VA/1000W ECO 8 IEC C13 Outputs | 1 |
| 533011 | 19" Rack Support for UPS (Ref.533010), 2U | 1 |
| ACCESSORIES | | |
| 533170 | Screw Kit for Rack 19": Screw with washer and nut [50 units]. Plastic Box | 1 |
| 533171 | Kit for Rack 19": 4 Wheels and Screws. Wheels compatible with 18U racks or larger. | 1 |
| 533172 | Rubber cap for splice box - "SC" Simplex or "LC" Duplex | 24 |
| 533173 | Side door lock for 19" Rack, with 2 keys | 1 |



▲ 533181



▲ 533187



▲ 533186



▲ 533159



▼ 533182



▲ 533001



▲ 533176



▲ 533010



▲ 533011



▲ 533001



DATACOM

RACKS AND CABINETS

| Ref. | Description | |
|-----------------------------------|---|--------|
| HEADEND CABINETS | | |
| CABINETS | | |
| 5750 | Cabinet for Headend Amplifier 440x440x140mm | 1 |
| 5893 | Indoor Lockable Cabinet with Mounting Plate, Dimensions: 300x400x200mm | 1 |
| 589301 | Indoor Lockable Cabinet with Mounting Plate, Dimensions: 400x400x200mm | 1 |
| 589302 | Indoor Lockable Cabinet with Mounting Plate, Dimensions: 400x600x200mm | 1 |
| 589303 | Indoor Lockable Cabinet with Mounting Plate, Dimensions: 600x600x200mm | 1 |
| 589304 | Indoor Lockable Cabinet with Mounting Plate, Dimensions: 600x800x200mm | 1 |
| PERFORATED PLATES | | |
| 5894 | Perforated Mounting Plate 300x400mm, Distance from the wall 19mm | 1/15 |
| 589401 | Perforated Mounting Plate 400x400mm, Distance from the wall 19mm | 1/15 |
| 589402 | Perforated Mounting Plate 400x600mm, Distance from the wall 19mm | 1/10 |
| Ref. | Description | |
| ENCLOSURES | | |
| FIBER SPLITTING ENCLOSURES | | |
| 231301 | Splitting Terminal Enclosure for F.O., Indoor (Up to 16 fibers) | 1 |
| 231302 | Splitting Terminal Enclosure for F.O., Indoor (Up to 48 fibers) | 1 |
| 231303 | Splitting Terminal Enclosure for F.O., Indoor and Outdoor (Up to 24 fibers) | 1 |
| 231304 | Ultra-Compact Splitting Terminal Enclosure for F.O., Indoor (Up to 12 fibers) | 1 |
| 231305 | Extension Frame for Ultra-Compact Splitting Terminal Enclosure for F.O. (+12 fibers) | 1 |
| 231310 | Splitting Terminal Enclosure for F.O., Indoor (Up to 8 fibers) | 1 |
| 233002 | Main Terminal Enclosure for F.O., Indoor (Up to 48 "SC" Simplex or "LC" Duplex connectors) | 1 |
| 233003 | Stackable Main Enclosure for F.O., Indoor (Up to 48 "SC" Simplex or "LC" Duplex connectors) | 1 |
| NETWORK ENCLOSURES | | |
| 546601 | Closed Main Terminal Enclosure for Data/Coaxial/Fiber Distribution (Up to 48 connections) | 1 |
| 546610 | Open Main Terminal Panel for Data/Coaxial/Fiber Distribution (Up to 24 connections) | 1 |
| 546701 | Data/Coaxial/Fiber Network Terminal Enclosure with Flexible Front Frame | 1 |
| 546702 | Data/Coaxial/Fiber Network Terminal Enclosure | 1 |
| 546801 | Network Enclosure for Data/Coax/Fiber (450x450x150) | 1 |
| ACCESSORIES | | |
| 233013 | F.O. Organizer for enclosure REF.233003 | 1 |
| 233230 | Keystone Module for F.O. Adapter "SC" Simplex or "LC" Duplex Female, Plastic Box | 25/250 |
| 233231 | F.O. Outlet: Keystone Module + Adapter "SC / APC" Female with Internal Shutter, Plastic Box | 20/200 |
| 533210 | F.O. Organizer for splice box | 1 |
| 546620 | Coaxial Adapter Support "F" Female - "F" Female, for Panels [Refs. 546602 and 546610] | 10 |



HDMI DISTRIBUTION

| Ref. | Description | |
|--------------------|--|---------|
| CABLES | | |
| ULTRA HD 4K | | |
| 494501 | HDMI Cable Male-Male 1.5m Black (Blister T1) | ● 1/8 |
| 494502 | HDMI Cable Male-Male 3m Black (Blister T2) | ● 1/10 |
| 494503 | HDMI Cable Male-Male 5m Black (Blister T2) | ● 1/10 |
| 494505 | HDMI Cable Male-Male 1.5m Black (Bag) | ● 1/100 |





| Ref. | Description | |
|----------------------------|--|---|
| NETWORK ELECTRONICS | | |
| ROUTERS | | |
| 769110 | Network Manager: Router and Firewall, 4x Gb Ethernet | 1 |
| 769111 | Network Manager: Router and Firewall, 6x Gb Ethernet + 2x SFP | 1 |
| 769121 | Router 12x Gb Ethernet + 4x SFP, 36 core 19" Rack Mount, 1U | 1 |
| 769122 | Router 13x Gb Ethernet, 4 core, 19" Rack Mount, 1U | 1 |
| SWITCHES | | |
| Managed | | |
| 768150 | Industrial Ethernet Switch L2+: 8x Gb Ethernet [PoE+, 240W] + 2x SFP (1 Gbps), -40...+75°C (without PSU) | 1 |
| 769140 | Ethernet Switch L2+: 8x Gb Ethernet [PoE+, 130W] + 2x SFP (1 Gbps) | 1 |
| 769141 | Ethernet Switch L2+: 24x Gb Ethernet [PoE+, 370W] + 4x SFP (1 Gbps) | 1 |
| 769144 | Ethernet Switch L2+: 24x Gb Ethernet + 4x SFP (1 Gbps) | 1 |
| 769145 | Ethernet Switch L2+: 48x Gb Ethernet + 6x SFP+ (10 Gbps) | 1 |
| 769147 | Ethernet Switch L2+: 8x Gb Ethernet + 2x SFP (1 Gbps) | 1 |
| 769148 | Ethernet Switch L3: 48x Gb Ethernet + 6x SFP+ (10Gbps) | 1 |
| 769149 | Ethernet Switch L3: 8x Gb Ethernet + 24x SFP (1 Gbps) + 6x SFP+ (10 Gbps) | 1 |
| 769152 | Ethernet Switch L2+: 8x Gb Ethernet/SFP Combo + 16x SFP (1 Gbps) + 4x SFP+ (10 Gbps) | 1 |
| Unmanaged | | |
| 768110 | Ethernet Switch L2, Unmanaged: 5x 10/100/1000 Mbps | 1 |
| 768111 | Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps | 1 |
| 768112 | Ethernet Switch L2, Unmanaged: 8x Gb Ethernet (Long range PoE+, 120W) + 2x Gb Ethernet | 1 |
| 768121 | Industrial Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps, -40...+75°C (without PSU) | 1 |
| MEDIA CONVERTERS | | |
| 769150 | SFP Media Converter 1GbE, 2 MMF [LC/PC], 850nm, 500m | 1 |
| 769210 | SFP Media Converter 1GbE 2 SMF "LC/UPC", 1310nm | 1 |
| 769212 | Kit: 2 SFP Media Converters 1GbE, SMF "LC/UPC", 1310+1490nm | 1 |
| 769215 | RJ45-SFP Media Converter SMF/MMF, SFPs 769210/2 compatible | 1 |
| 769216 | RJ45-F.O. Media Converter SMF, TX: 1310nm, RX: 1550nm | 1 |
| 769217 | RJ45-F.O. Media Converter SMF, TX: 1550nm, RX: 1310nm | 1 |
| 769412 | SFP+ Media Converter 10GbE, 2 SMF "LC/UPC" | 1 |

| Ref. | Description | |
|----------------------------------|--|---|
| WIFI ACCESS POINTS | | |
| WAVEDATA SERIES | | |
| WaveData Access Points | | |
| 769001 | Indoor Wireless Access Point WaveData: 1x Ethernet WAN [PoE], 1x Ethernet LAN, 1x USB 3.0, WLAN b/g/n/ac (option Low Power WiFi) | 1 |
| 769002 | Indoor Wireless Access Point WaveData: 1x F.O. SFP, 1x Ethernet LAN, 1x USB 3.0, WLAN b/g/n/ac (option Low Power WiFi) | 1 |
| 769011 | Outdoor Wireless Access Point WaveData: 1x Ethernet WAN [PoE], 1x Ethernet LAN, 1x USB 3.0, WLAN b/g/n/ac | 1 |
| Accessories | | |
| 640301 | Wall Mount for CoaxData/CoaxBox/WaveBox | 1 |
| MANAGEMENT AND MONITORING | | |
| 769030 | WaveBox device: Managing and monitoring the WaveData network | 1 |
| 769112 | Network Manager: Hotspot, 4x Gb Ethernet | 1 |



▲ 769110



▲ 769111



▲ 769141



▲ 769148



▲ 768150



▲ 768111



▲ 769011



▲ 769215



▲ 769216



▲ 769001


DATACOM
PROFESSIONAL EQUIPMENT

| Ref. | Description | |
|----------------------------|---|------|
| OPTICAL FIBER | | |
| FUSION KITS | | |
| Electric arc splice | | |
| 232105 | F.O Kit: Arc Fusion Splicer + Stripper + Cleaver + Power adapter + Spare set of electrodes + Tweezers + Carrying Case | 1 |
| Mechanical splice | | |
| 2341 | F.O Kit: Connector & Mechanical Splice + Stripper [Ref. 2324] + Cleaver [Ref. 232301] + Cleaning Tools | 1 |
| SIGNAL GENERATORS | | |
| 2340 | OPS3L Triple Light Source (1310, 1490 & 1550nm) | 1 |
| TOOLS | | |
| 2322 | Fiber Mechanical Splicer | 1 |
| 232301 | Cleaver of Fiber Optics | 1 |
| 232310 | Kevlar® Scissors for Optical Fibers | 1 |
| 2324 | Precision Stripper for Optical Fibers | 1 |
| 2325 | Round cable stripper for multifiber cables, data cables and coaxial cables | 1 |
| ACCESSORIES | | |
| 2327 | Splicing Protection Sleeve 60mm for FO fusion | 200 |
| 232701 | Splicing Protection Sleeve 43mm for FO fusion | 200 |
| 232702 | Splicing Protection Enclosure 101mm for FO fusion | 100 |
| 232710 | F.O. Cleaning Kit: 50 isopropyl alcohol Wipes + 25 Sticks | 1 |
| 232753 | Dry F.O. Cleaning wipes - 280 pcs/box | 1/60 |
| 2328 | Fiber Mechanical Splice | 10 |
| 2329 | Connector of Fiber Optics "SC/APC" (with mounting tool) | 10 |
| 232910 | Cleaner for Fiber Optic Connectors | 1 |



▲ 2341



▲ 2340



▲ 2322



▲ 232702

▲ 2329

▲ 2324

▲ 232310



▲ 232301



▲ 232105



▲ 232910


DATACOM
PROFESSIONAL EQUIPMENT

| Ref. | Description | |
|------------------------------|--|---|
| FIELD STRENGTH METERS | | |
| H30CRYSTAL | | |
| Meters | | |
| 593601 | H30Crystal: DVB-S/S2 + DVB-T, F.O. (Smartphone Armband included) | 1 |
| 593602 | H30Crystal: DVB-S/S2 + DVB-T/T2, F.O. (Smartphone Armband included) | 1 |
| 593603 | H30Crystal: DVB-S/S2 + DVB-C, F.O. (Smartphone Armband included) | 1 |
| 593604 | H30Crystal: DVB-S/S2 + DVB-T/T2 + DVB-C, F.O. (Smartphone Armband included) | 1 |
| 593605 | H30Crystal FULL: Full DVB (-S/S2 + -T/T2 + -C), F.O. + IPTV Option + WiFi 2,4/5 GHz Option + HEVC display + Coaxial Cable Lead + Carrying Case (Smartphone Armband included) | 1 |
| 593621 | H30Crystal: DVB-S/S2 + DVB-T, Selective F.O. (Smartphone Armband included) | 1 |
| 593622 | H30Crystal: DVB-S/S2 + DVB-T/T2, Selective F.O. (Smartphone Armband included) | 1 |
| 593624 | H30Crystal: DVB-S/S2 + DVB-T/T2 + DVB-C, Selective F.O. (Smartphone Armband included) | 1 |
| 593625 | H30Crystal FULL: Full DVB (-S/S2 + -T/T2 + -C), Selective F.O. + IPTV Option + WiFi 2,4/5 GHz Option + HEVC display + Coaxial Cable Lead + Carrying Case (Smartphone Armband included) | 1 |
| 593661 | H30Crystal: DVB-S/S2 + ISDB-T/Tb, F.O. (Carrying Case, Protective Sleeve Lead and Smartphone Armband included) | 1 |
| Options | | |
| 593231 | Option DVB-T | 1 |
| 593232 | Option DVB-T2 (DVB-T required) | 1 |
| 593233 | Option DVB-C | 1 |
| 593234 | Option dCSS | 1 |
| 593235 | Option Extended Terrestrial Input to 120dB μ V | 1 |
| 593236 | Option Analogue A/V Display (Format Adapters and Protective Sleeve included) | 1 |
| 593250 | Option WiFi Analyzer (2,4/5GHz) | 1 |
| 593251 | Option IPTV Analyzer | 1 |
| 593252 | Option HEVC Display | 1 |
| Accessories | | |
| 593201 | Protective Sleeve | 1 |
| 593202 | Replacement Battery | 1 |
| 593203 | Power Supply Unit 12V - 2A All Plugs | 1 |
| 593205 | Ports Protector | 1 |
| 593239 | Carrying Case | 1 |
| MOSAIQ6 | | |
| Meters | | |
| 596101 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, F.O. (Carrying Bag included) | 1 |
| 596102 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, F.O. (Carrying Case included) | 1 |
| 596105 | MOSAIQ6 Advance: DVB-T/T2/S/S2/SX/C, CI, F.O., WiFi Analyzer, Analogue Measures, DAB/DAB+, 4K UHD (Carrying Bag included) | 1 |
| 596106 | MOSAIQ6 Advance: DVB-T/T2/S/S2/SX/C, CI, F.O., WiFi Analyzer, Analogue Measures, DAB/DAB+, 4K UHD (Carrying Case included) | 1 |
| 596111 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, Selective F.O. Interface (CWDM Filter) (Carrying Bag included) | 1 |
| 596112 | MOSAIQ6: DVB-T/T2 + DVB-S/S2/SX + DVB-C, CI, Selective F.O. Interface (Carrying Case included) | 1 |
| 596115 | MOSAIQ6 Advance: DVB-T/T2/S/S2/SX/C, CI, Selective F.O. Interface (CWDM Filter), WiFi Analyzer, Analogue Measures, DAB/DAB+, 4K UHD (Carrying Bag included) | 1 |
| 596161 | MOSAIQ6: DVB-T/T2/S/S2/SX/C, ISDB-T/Tb, CI, F.O., Analogue Measures (Carrying Bag included) | 1 |
| Options | | |
| 596201 | Option GPS Drive Test | 1 |
| 596202 | Option WiFi Analyzer (2,4/5GHz) | 1 |
| 596203 | Option Analogue Measures | 1 |
| 596204 | Option DAB/DAB+ | 1 |
| 596205 | Option 4K - Ultra High Definition (UHD) | 1 |
| 596206 | Option ISDB-T/Tb | 1 |
| Accessories | | |
| 596210 | Stand-alone, field replaceable battery | 1 |
| 596211 | Carrying Bag | 1 |
| 596212 | Adapter "N" Male - "F" Female | 1 |
| 596213 | Screen Protector | 1 |
| 596214 | Carrying Case | 1 |

FULL VERSION



**DATACOM
TELEPHONY (VOIP)**

| Ref. | Description | |
|------------------|--|---|
| IP PBX | | |
| 770146 | VOIP PBX Phone System [up to 50 simultaneous calls] | 1 |
| 770147 | VOIP PBX Phone System [up to 200 simultaneous calls] | 1 |
| GATEWAYS | | |
| 770401 | RDSI Gateway with 2 BRI ports (4 channels) and 2 10/100 Base-T Ethernet ports | 1 |
| 770402 | RDSI Gateway with 4 BRI ports (8 channels) and 2 10/100 Base-T Ethernet ports | 1 |
| TERMINALS | | |
| IP | | |
| 770101 | Wi-Fi Terminal with dual-band Wi-Fi support 802.11a/b/g/n, 2 SIP accounts, 2 lines, 2.4" colour LCD screen | 1 |
| 770110 | IP Terminal with 1 SIP account, 3 XML keys, Backlit LCD screen, Black | 1 |
| 770120 | PoE IP Terminal with 2 SIP accounts, 3 XML keys, Backlit LCD screen, Black | 1 |
| 770130 | PoE Operator IP Terminal with 6 SIP accounts, 12 line keys, 5 XML keys, 4.3" colour LCD screen, Black | 1 |
| 770150 | Extension Module for Operator IP Terminal with 20 programmable keys, 2 navigation keys, LCD screen, Black | 1 |
| ANALOGUES | | |
| 770301 | Analogue Terminal with 4 direct keys for one touch connection, Black | 1 |
| 770302 | Analogue Terminal with 4 direct keys for one touch connection, White | 1 |
| 770303 | Compact Analogue Terminal, Black | 1 |
| 770304 | Compact Analogue Terminal, White | 1 |



▲ 770146



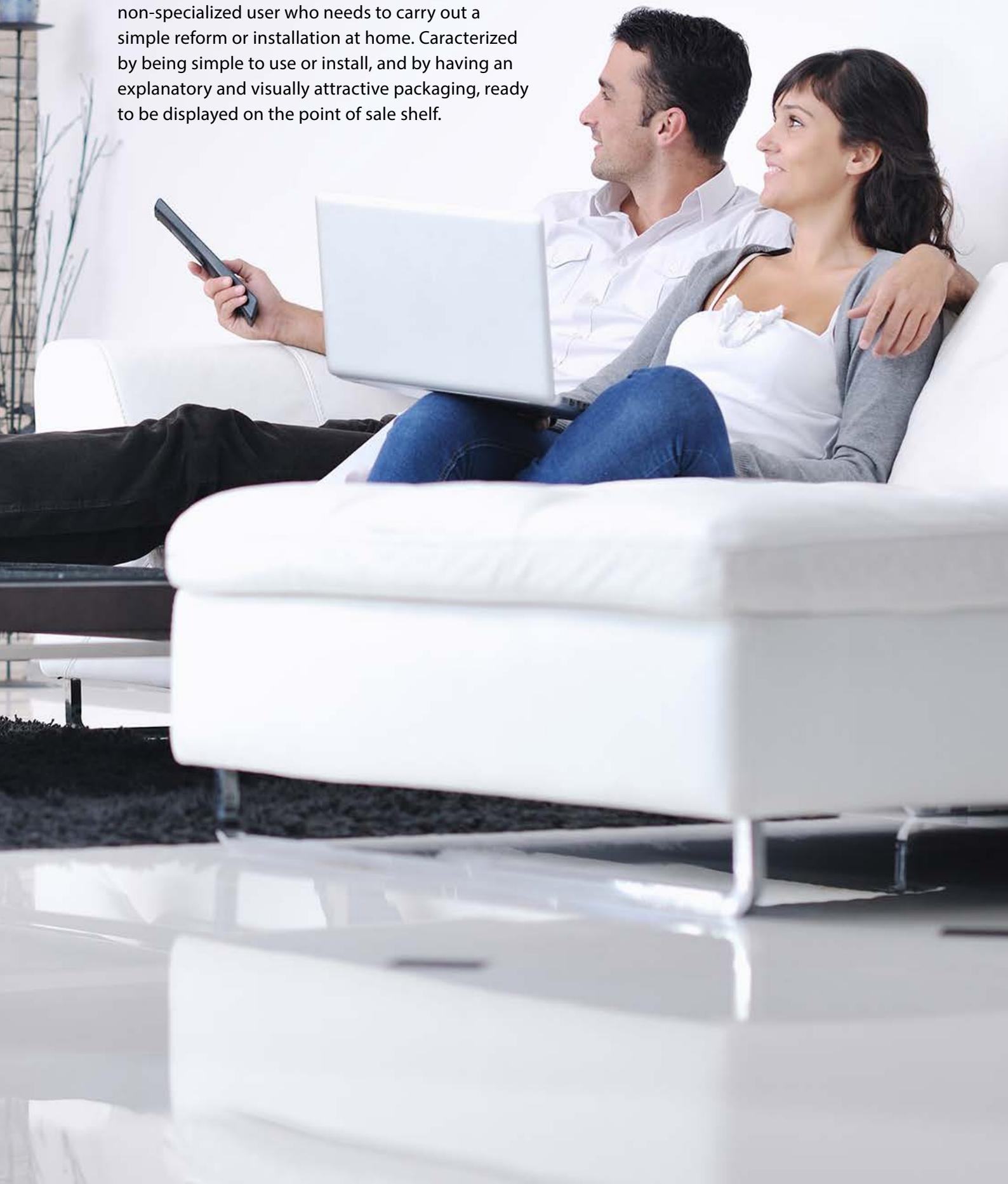
▲ 770147



▲ 770120

DO IT YOURSELF

Telecommunications products designed for the non-specialized user who needs to carry out a simple reform or installation at home. Characterized by being simple to use or install, and by having an explanatory and visually attractive packaging, ready to be displayed on the point of sale shelf.





DO IT YOURSELF

TERRESTRIAL ANTENNAS

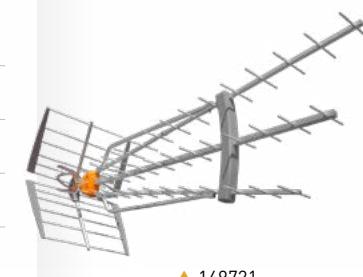
| Ref. | Description | | |
|------------------------------------|--|---------------|--------|
| INTELLIGENT: OUTDOOR SERIES | | | |
| ELLIPSE SERIES | | | |
| 148821 | Ellipse MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 34/38dBi BOSS ON PSU included 12V-200mA (Single Packing) | TFORCE LTE700 | 1/4 |
| 148881 | Ellipse MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-51] G 36.5/40dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/4 |
| 148883 | Ellipse MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-36] G 36.5/40dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE600 | 1/1/1 |
| 148923 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-220mA, UK plug (Single Packing) | TFORCE LTE700 | 1/4 |
| 148925 | Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-200mA (Single Packing) | TFORCE LTE700 | 1/4 |
| 148981 | Ellipse Terrestrial Antenna UHF [Ch14-51], G 38dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/4 |
| DAT SERIES | | | |
| 148220 | DAT BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-51] G -/8.5/16dBi BOSS OFF, G 24/36.5/42dBi BOSS ON (Single Packing) | TFORCE LTE700 | 1/25 |
| 148281 | DAT BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-51] G -/8.5/16dBi BOSS OFF, G 24/36.5/42dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/25 |
| 148381 | DAT BOSS MIX LR Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-51] G -/8.5/18dBi BOSS OFF, G 24/36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/1/20 |
| 148383 | DAT BOSS MIX LR Terrestrial Antenna LowVHF/HighVHF/UHF [Ch2-13/14-36] G -/8.5/18dBi BOSS OFF, G 24/36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE600 | 1/1 |
| 149421 | DAT BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON (Single Packing) | TFORCE LTE700 | 1/25 |
| 149483 | DAT BOSS MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-51] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/25 |
| 149484 | DAT BOSS MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-36] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON + PSU 550104 | TFORCE LTE600 | 1/25 |
| 149721 | DAT BOSS LR Terrestrial Antenna UHF [Ch21-48] G 19dBi BOSS OFF, G 47dBi BOSS ON (Single packing) | TFORCE LTE700 | 1 |
| 149740 | DAT BOSS LR Terrestrial Antenna UHF [Ch21-60] G 19dBi BOSS OFF, G 47dBi BOSS ON (Single Packing) | TFORCE LTE790 | 1 |
| 149783 | Terrestrial Antenna DAT BOSS LR UHF [Ch14-51] PSU included 12V-220mA (110Vac & UL Listed)(Single packing) | TFORCE LTE700 | 1/1/20 |
| 149821 | DAT BOSS MIX LR Terrestrial Antenna BIII/UHF [C5-12/21-48] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON (Single packing) | TFORCE LTE700 | 1/1/12 |
| 149883 | DAT BOSS MIX LR Terrestrial Antenna HighVHF/UHF [Ch5-13/14-51] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE700 | 1/1/20 |
| 149884 | DAT BOSS MIX LR Terrestrial Antenna HighVHF/UHF [Ch7-13/14-36] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing) | TFORCE LTE600 | 1/1 |
| 149921 | DAT BOSS Terrestrial Antenna UHF [Ch21-48] G 17dBi BOSS OFF, G 42dBi BOSS ON (Single packing) | TFORCE LTE700 | 1/5 |
| 149941 | DAT BOSS Terrestrial Antenna UHF [Ch21-60] G 17dBi BOSS OFF, G 45dBi BOSS ON (Single Packing) | TFORCE LTE790 | 1/5 |
| 149983 | Terrestrial Antenna DAT BOSS UHF [Ch14-51] PSU included 12V-220mA (110Vac & UL Listed)(Single packing) | TFORCE LTE700 | 1/5 |
| DINOVA BOSS | | | |
| 144012 | DINOVA BOSS Terrestrial Antenna UHF [Ch21-60] G 7dBi BOSS OFF, G 34dBi BOSS ON (Kit with accessories) | TFORCE LTE790 | 1 |
| 144022 | DINOVA BOSS Terrestrial Antenna UHF [Ch21-48] G 7dBi BOSS OFF, G 34dBi BOSS ON (Kit with accessories) | TFORCE LTE700 | 1 |
| 144224 | DINOVA BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 1/6dBi BOSS OFF, G 27/32dBi BOSS ON (Kit with accessories) | TFORCE LTE700 | 1 |
| 144285 | DINOVA BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF[Ch2-6/7-13/14-51] G -/-7dBi BOSS OFF, G 16/29/34dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Kit with accessories) | TFORCE LTE700 | 1 |
| 144286 | DINOVA BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF[Ch2-6/7-13/14-36] G -/-7dBi BOSS OFF, G 16/29/34dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Kit with accessories) | TFORCE LTE600 | 1/1 |
| OMNINOVA BOSS | | | |
| 144422 | OMNINOVA BOSS Terrestrial Antenna BI/FM/BIII/UHF [Ch3-12/21-48] G 17/16/25/25dBi BOSS ON (Kit with accessories) | TFORCE LTE700 | 1 |
| CAMPNOVA BOSS | | | |
| 144521 | CAMPNOVA BOSS Terrestrial Antenna FM/BIII/UHF [Ch5-12/21-48] G -/20/30dBi BOSS ON (Kit with accessories) | TFORCE LTE700 | 1 |



▲ Ellipse



▲ 148220



▲ 149721



▲ DiNova BOSS



▲ CampNova BOSS



DO IT YOURSELF TERRESTRIAL ANTENNAS

Televes

| Ref. | Description | | |
|-----------------------------------|--|----------------|---------|
| INTELLIGENT: INDOOR SERIES | | | |
| BEXIA | | | |
| 130501 | BEXIA Indoor Terrestrial Antenna VHF/UHF (Ch5-12/21-48) G 15/18dBi (USB-microUSB cable included, for 5V powering) | T FORCE LTE700 | ● 1/6 |
| 130581 | BEXIA Indoor Terrestrial Antenna LowVHF/HighVHF/UHF (C2-13/14-51) G 17/26/28 dBi (USB-microUSB cable and power adapter included, for 5V powering) | T FORCE LTE700 | ● 1/6 |
| 130583 | BEXIA Indoor Terrestrial Antenna LowVHF/HighVHF/UHF (C2-13/14-36) G 17/26/28 dBi (USB-microUSB cable and power adapter included, for 5V powering) | T FORCE LTE600 | ● 1/1/6 |
| MIRA BOSS | | | |
| 130102 | MIRA BOSS Indoor Terrestrial Antenna UHF (Ch21-60) G 18dBi (UK plug) | T FORCE LTE790 | ● 1/240 |
| 130121 | MIRA BOSS Indoor Terrestrial Antenna UHF (Ch21-48) G 18dBi | T FORCE LTE700 | ● 1/240 |
| INNOVA BOSS | | | |
| 130220 | INNOVA BOSS Indoor Terrestrial Antenna UHF (Ch21-48) G 20dB (USB-microUSB cable included, for 5V powering) | T FORCE LTE700 | ● 1 |
| 130240 | INNOVA BOSS Indoor Terrestrial Antenna UHF (Ch21-60) G 20dB (USB-microUSB cable included, for 5V powering) | T FORCE LTE790 | ● 1 |
| 130320 | INNOVA BOSS MIX Indoor Terrestrial Antenna VHF/UHF (Ch5-12/21-48) G 17/20dB (USB-microUSB cable included, for 5V powering) | T FORCE LTE700 | ● 1 |
| ★ 130383 | INNOVA BOSS MIX Indoor Terrestrial Antenna VHF/UHF (Ch7-13/14-36) G 26/27dB (USB-microUSB 5V power supply cable included) | | ● 1/1 |



▲ BEXIA



▲ 130121

SATELLITE DISHES

| Ref. | Description | | |
|---------------------|---|--|-------|
| LNB | | | |
| COAXIAL (RF) | | | |
| 4332 | Offset LNB Twin (2 Outputs Hh/Vh/Hl/Vl) G 60dB (Blister T2) | | ● 1 |
| 4365 | Offset LNB Single (Universal) Hh/Vh/Hl/Vl G 60dB (Blister T1) | | ● 1/8 |



▲ LNB Twin

SET TOP BOXES AND DOMESTIC ACCESSORIES

| Ref. | Description | | |
|-------------------------------|--|--|------|
| MODULATORS | | | |
| 585301 | Modulator DVB-T 1i: HDMI - 1 Mux(174...230/470...862MHz): CODFM (MPEG-4). With 2xUSB, HDMI pass-through and Remote Management | | 1 |
| 5858 | Domestic Modulator with Display (VHF/UHF) | | 1 |
| A/V AND IR SENDERS | | | |
| WIRELESS IR SENDERS | | | |
| 721903 | Digidom Universal Transmitter, Remote Control Extender, 8 Channels | | 1/50 |
| 723703 | Digidom Universal Transmitter + Receiver, Remote Control Extender, 8 Channels | | 1/30 |
| IR SENDER OVER COAXIAL | | | |
| 7605 | Transmitter + Receiver Remote Control Extender over Coaxial Cable | | 1/6 |
| 7606 | Single Transmitter Remote Control Extender over Coaxial Cable | | 1/10 |



▲ 585301



DO IT YOURSELF

FILTERING AND AMPLIFICATION

| Ref. | Description | |
|---|---|-------------|
| LTE FILTERS | | |
| PLUG-IN FORMAT: IEC CONNECTOR | | |
| 404411 | Medium Rejection LTE/4G Filter (MR) "IEC" 470...774MHz UHF (Ch58) Indoor (Bag B3) | LTE790 1/10 |
| 404412 | High Rejection LTE/4G Filter (HR) "IEC" 47...790MHz VHF/UHF (Ch60) Indoor (Bag B3) | LTE790 1/10 |
| Ref. | Description | |
| COMBINERS | | |
| MATV (TERRESTRIAL) | | |
| 433401 | Mast Triplexer 3i/1o "EasyF": VHF-UHF[dc]-UHF (Blister T1) | LTE790 1/10 |
| SMATV (TERRESTRIAL + SATELLITE) | | |
| 4340 | Combiner MATV-SAT 2i/1o "F": 47..790-950..2400MHz[dc] (Blister T1) | LTE790 1/6 |
| Ref. | Description | |
| KITS: MAST AMPLIFIER WITH POWER SUPPLY | | |
| TERRESTRIAL AND SATELLITE | | |
| 438620 | NanoKom Mast Amplifier 3i/1o "EasyF" VHFmix-UHF[dc]-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA (Refs.561621+5796) (Blister T1) | LTE700 1/8 |
| 438640 | NanoKom Mast Amplifier 3i/1o "EasyF" VHFmix-UHF[dc]-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA (Refs.561601+5796) (Blister T1) | LTE790 1/8 |
| 438820 | NanoKom Mast Amplifier 3i/1o "EasyF" BIII/UHF[dc]-FMmix-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA (Refs.561521+5796) (Blister T1) | LTE700 1/8 |
| Ref. | Description | |
| DOMESTIC POWER SUPPLY UNITS | | |
| F-CONNECTOR SERIES | | |
| 550402 | Domestic Power Supply Unit 1i/2o "F": 5...862MHz 24V-130mA (Blister T1) | 1/8 |
| Ref. | Description | |
| DOMESTIC AMPLIFIERS | | |
| IEC-CONNECTOR SERIES | | |
| 545720 | Domestic Amplifier 1i/(2o+TV) "IEC": 47...694MHz G 20dB Vo 110dB μ V + Output to a TV Outlet G 12dB + Preamp.Pow. 12V-100mA (Blister T1) | LTE700 1/8 |
| 552120 | Domestic Amplifier 1i/2o "IEC": 47...694MHz G 22dB Vo 104dB μ V (Blister T1) | LTE700 1/8 |
| 552740 | Domestic Amplifier 1i/1o "IEC": 47...790MHz G 25dB Vo 112dB μ V (Blister T1) | LTE790 1/8 |
| 552840 | Domestic Amplifier 1i/(2o+TV) "IEC": 47..790MHz G 20dB Vo 106dB μ V + Output to a TV Outlet G 12dB (Blister T1) | LTE790 1/8 |
| 552940 | Domestic Amplifier 1i/(4o+TV) "IEC": 47..790MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 11dB (Blister T1) | LTE790 1/8 |
| F-CONNECTOR SERIES | | |
| 545801 | Auto-LTE Domestic Amplifier 1i/(2o+TV) "F": 47..694/790MHz G 20dB Vo 101dB μ V Auto-Adjustment + Output to a TV Outlet G 11dB + Preamplifier Powering 12V-100mA, UK plug (Blister T1) | AUTOLTE 1/8 |
| 552001 | Domestic Amplifier 1i/(2o+TV) "F": 5..65/88..1006MHz G -7/21dB Vo111dB μ V +Output to a TV Outlet G14dB (Passive Return)(Blister T1) | 1/8 |
| 552220 | Domestic Amplifier 1i/(2o+TV) "F": 47...694MHz G 20dB Vo 106dB μ V + Output to a TV Outlet G 12dB (Blister T1) | LTE700 1/8 |
| 5523 | Domestic Amplifier 1i/(4o+TV) "F": 47..862MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 11dB (Blister T1) | 1/8 |
| 552320 | Domestic Amplifier 1i/(4o+TV) "F": 47..694MHz G 16dB Vo 102dB μ V + Output to a TV Outlet G 12dB (Blister T1) | LTE700 1/8 |
| 5525 | Domestic Amplifier 1i/(2o+TV) "F" 5..65/87.5..862MHz G -7/18dB Vo106dB μ V + Output to a TV Outlet G 12dB (Passive Ret.+Equaliser)(Blister T1) | 1/8 |
| 553001 | Domestic Amplifier 1i/(2o+TV) "F" 5..65/88..862/950..2150MHz G(-9)/19/21dB Vo 111/114dB μ V +Output to a TV Outlet G(-16)/11/13dB (Blister T1) | 1/8 |
| 553120 | Domestic Amplifier 1i/6o "F": 47..694MHz G 14dB Vo 95dB μ V (Blister T1) | LTE700 1/8 |
| 553304 | Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/25dB Vo 116dB μ V (Passive Ret.+Equaliser) (Blister T1) | 1/8 |
| 553504 | Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/35dB Vo 116dB μ V (Passive Ret.+Equaliser) (Blister T1) | 1/8 |
| Ref. | Description | |
| ATTENUATORS | | |
| PLUG-IN FORMAT: IEC CONNECTOR | | |
| 4315 | Adjustable Attenuator "IEC" Ø 9.5mm 1 to 25dB VHF/UHF DC Pass (Bag B1) | 1/10 |



▲ 404411



▲ 433401



▲ 4340



▲ 438620



▲ 553120



DO IT YOURSELF DISTRIBUTION

Televes

| Ref. | Description | |
|--------------------------------------|---|--------|
| SPLITTERS | | |
| EASYF SERIES | | |
| 432803 | Mini-Splitter 5...2400MHz "EasyF" 2W 4.3/4dB Indoor DC Pass 0-I (Bag B3) | 1/8 |
| 432902 | Splitter 5...2400MHz "EasyF" 4W 9/7.5dB Indoor DC Pass All (Blister T1) | 1/8 |
| 434103 | Mini-Splitter 5...2400MHz "EasyF" 2W 4.5/4.3dB DC Pass All With Outdoor Mounting Case (Blister T1) | ● 1/10 |
| 434202 | Splitter 5...2400MHz "EasyF" 4W 9/7.5dB DC Pass 0-I With Outdoor Mounting Case (Blister T1) | ● 1/8 |
| PLUG-IN FORMAT: IEC CONNECTOR | | |
| 4320 | Inductive Splitter "IEC" Ø 9.5mm 1 Male - 2 Females DC Pass 1 output (Bag B1) | 1/10 |
| 4322 | Inductive Splitter "IEC" Ø 9.5mm 1 Female - 2 Males DC Pass All (Bag B1) | 1/10 |
| Ref. | Description | |
| OUTLETS | | |
| END OUTLETS | | |
| 4301 | End Outlet Diplexed 5...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass + Face Plate (Blister T1) | 1/8 |
| 4372 | End Outlet 5...862MHz, TV-FM 4.5-18dB w/o DC Pass + Face Plate (Blister T1) | 1/8 |
| THROUGH OUTLETS | | |
| 4335 | Bridged Outlet + Face Plate TV-R + Back Box for Surface Mountig Outlet (Blister T1) | 1/8 |
| 4373 | Through Outlet 5.862MHz, TV-FM 9.5-24dB w/o DC Pass + Face Plate (Blister T1) | 1/8 |
| ACCESSORIES | | |
| 4336 | Back Box White for Surface Mounting Outlet (Blister T1) | ○ 1/10 |



▲ 432803



▲ 4322



▲ 4372



▲ 4373



▲ 4336



DO IT YOURSELF

CABLES AND CONNECTORS

| Ref. | Description | |
|---|--|--------------------------------------|
| COAXIAL | | |
| COAXIAL CABLE | | |
| 435501 | Coaxial Cable PVC Ø 6.6mm White 20m (Reel) | <input type="radio"/> 1 |
| 4371 | Coaxial Cable PVC Ø 6.6mm White 10m (Blister T2) | <input type="radio"/> 1/10 |
| TRIPLE SHIELDING EXTENSION CORDS (TSH) | | |
| 3851 | Coaxial Cable Lead "F" Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385101 | Coaxial Cable Lead "F" Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385102 | Coaxial Cable Lead "F" Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 3852 | Coaxial Cable Lead "IEC" Male-Female Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385201 | Coaxial Cable Lead "IEC" Male-Female Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385202 | Coaxial Cable Lead "IEC" Male-Female Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 3853 | Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385301 | Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385302 | Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 3854 | Coaxial Cable Lead "F" - "IEC" Female Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385401 | Coaxial Cable Lead "F" - "IEC" Female Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385402 | Coaxial Cable Lead "F" - "IEC" Female Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 385501 | Coaxial Cable Lead "F" Compression - "IEC" Female "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 3856 | Coaxial Cable Lead "F" - "IEC" Male Compression 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385601 | Coaxial Cable Lead "F" - "IEC" Male Compression 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385602 | Coaxial Cable Lead "F" - "IEC" Male Compression 5m White (Bag B0) | <input type="radio"/> 1/15 |
| 385701 | Coaxial Cable Lead "F" Compression - "IEC" Male "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 3858 | Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 1.5m White (Bag B0) | <input type="radio"/> 1/30 |
| 385801 | Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 3m White (Bag B0) | <input type="radio"/> 1/20 |
| 385802 | Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 5m White (Bag B0) | <input type="radio"/> 1/15 |
| DOUBLE SHIELDING EXTENSION CORDS | | |
| 431001 | Coaxial Cable Lead "IEC" Ø 9.5mm Elbowed Shielded Male-Female 1,5m Grey (Blister T1) | <input checked="" type="radio"/> 1/8 |
| 431002 | Coaxial Cable Lead "IEC" Ø 9.5mm Elbowed Shielded Male-Female 2,5m Grey (Blister T1) | <input checked="" type="radio"/> 1/8 |
| 4311 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 2.5m White (Blister T1) | <input type="radio"/> 1/8 |
| 4312 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 1.5m Black (Blister T1) | <input checked="" type="radio"/> 1/8 |
| 4314 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 2.5m Black (Blister T1) | <input checked="" type="radio"/> 1/8 |
| 4389 | Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 1.5m White (Blister T1) | <input type="radio"/> 1/8 |
| PRO EASYF CONNECTORS | | |
| 437401 | "PRO EasyF" "IEC" Ø 9.5mm Connector Male Elbowed Class A+ Shielded (Bag B1) | 1/10 |
| 437501 | "PRO EasyF" "IEC" Ø 9.5mm Connector Female Elbowed Class A+ Shielded (Bag B1) | 1/10 |
| 437601 | Set of "PRO EasyF" "IEC" Ø 9.5mm Connectors Male & Female Elbowed Class A+ Shielded (Bag B1) | 1/10 |
| IEC TYPE CONNECTORS | | |
| 4303 | "IEC" Ø 9.5mm Connector Female Straight (Bag B1) | 1/10 |
| 4305 | "IEC" Ø 9.5mm Connector Male Straight (Bag B1) | 1/10 |
| 4316 | Set of "IEC" Ø 9.5mm Connectors Male & Female Straight (Bag B1) | 1/10 |
| 437410 | "IEC" Ø 9.5mm Connector Male Elbowed Shielded (Bag B1) | 1/10 |
| 437510 | "IEC" Ø 9.5mm Connector Female Elbowed Shielded (Bag B1) | 1/10 |
| 437610 | Set of "IEC" Ø 9.5mm Connectors Male & Female Elbowed Shielded (Bag B1) | 1/10 |
| F TYPE CONNECTORS | | |
| 4306 | "F" Connector Threaded with O-ring for T-100 Cable + Weatherproof Cap (Bag B1) | 1/10 |
| 4317 | 2 "F" Connectors Threaded with O-ring for T-100 Cable (Bag B1) | 1/10 |
| ADAPTERS | | |
| 4307 | "F" Female - "F" Female Adapter (Bag B1) | 1/10 |
| ACCESSORIES | | |
| 2162 | Cable Stripper for Coaxial Cable and Data Cable (Bag B2) | 1 |
| 4360 | Opened Staple for Coaxial Cable (25 units) (Bag B1) | 1/10 |



▲ 435501



▲ 4371



▲ 385101



▲ 4312



▲ 437501



▲ 2162



▲ 437410



DO IT YOURSELF

CABLES AND CONNECTORS

Televes

| Ref. | Description | | |
|---|--|---|-------|
| PATCH-CORDS | | | |
| 209002 Patch-cord RJ45 U/UTP Cat 6 Cu PVC 1m White (Bag B0) | | | |
| 209003 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 2m White (Bag B0) | ○ | 1 |
| 209004 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 3m White (Bag B0) | ○ | 1 |
| 209005 | Patch-cord RJ45 U/UTP Cat 6 Cu PVC 5m White (Bag B0) | ○ | 1 |
| 209101 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 0.5m Grey (Bag B0) | ● | 1 |
| 209102 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 1m Grey (Bag B0) | ● | 1 |
| 209103 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 2m Grey (Bag B0) | ● | 1 |
| 209104 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 3m Grey (Bag B0) | ● | 1 |
| 209105 | Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 5m Grey (Bag B0) | ● | 1 |
| OPTICAL FIBER | | | |
| PRE-TERMINATED PATCH CORDS | | | |
| 232621 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 2m (Bag B4) | ● | 1/10 |
| 232623 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 0.5m (Bag B4) | ● | 1/20 |
| 232624 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-FC/UPC" 2m (Bag B4) | ● | 1/10 |
| 232626 | F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 1m (Bag B4) | ● | 1/20 |
| AUDIO/VIDEO | | | |
| HDMI | | | |
| 494501 | HDMI Cable Male-Male 1.5m Black (Blister T1) | ● | 1/8 |
| 494502 | HDMI Cable Male-Male 3m Black (Blister T2) | ● | 1/10 |
| 494503 | HDMI Cable Male-Male 5m Black (Blister T2) | ● | 1/10 |
| 494505 | HDMI Cable Male-Male 1.5m Black (Bag) | ● | 1/100 |



▲ 209102



▲ 232623



▲ 494501



▲ 4361

MECHANICAL ACCESSORIES

| Ref. | Description | |
|-----------------------------------|--|-----|
| MAST MOUNTING | | |
| 4361 Guy Wire Mounting Kit Ø 45mm | | |
| 4951 | Mast Clamp Zinc+RCP Ø 25...45mm (Blister T1) | 1/8 |
| 4952 | "U" Bolt for Mast Clamp Ø 25...45mm (Blister T1) | 1 |



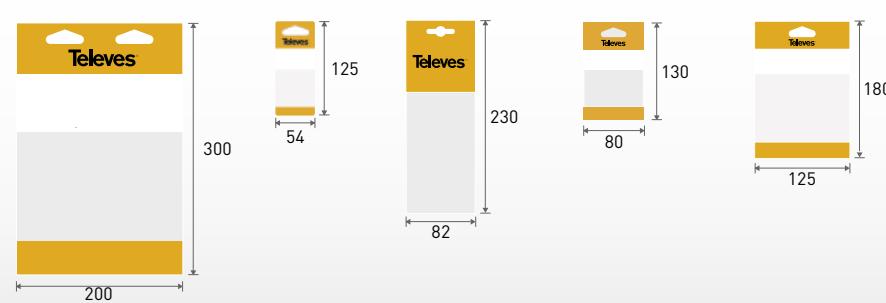
▲ 4361

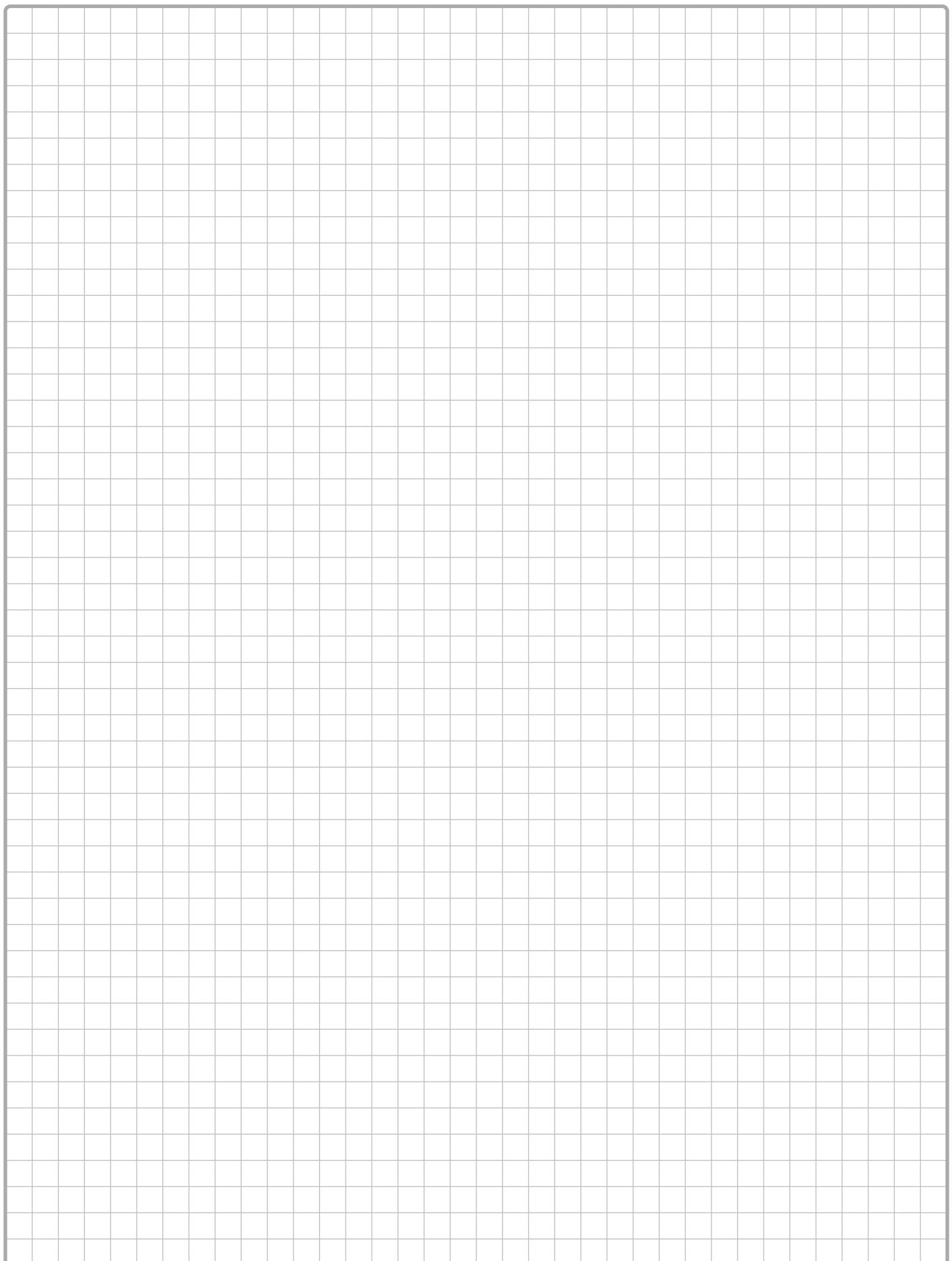
Packaging types (mm)

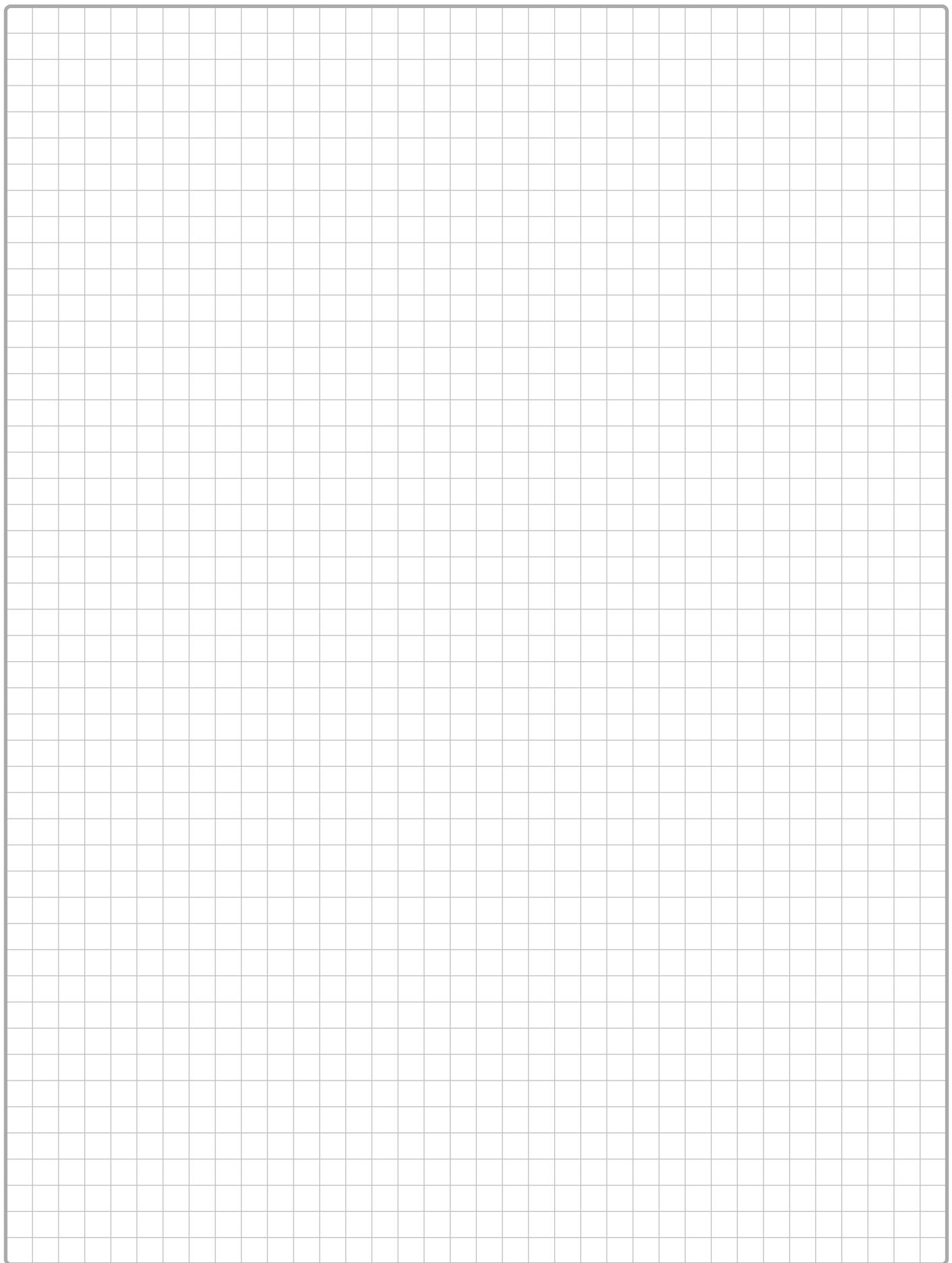
BLISTERS



BAGS







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