

INTERNATIONAL

Televes®

PRODUCT GUIDE 2022

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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DATACOM

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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 channeling 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.



TBC To Be Consulted

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)



700/790 Channel 48/60 filtering (manual switching)

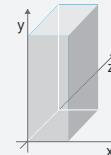


Orange	Red-brick	Black
White	Grey	Violet
Red	Graphite	Aqua blue

Packaging type for coaxial cable

<input checked="" type="radio"/> Plastic	<input checked="" type="radio"/> Plastified coil
<input type="radio"/> Cardboard	<input checked="" type="radio"/> Easy Box
<input checked="" type="radio"/> 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 (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

Data cables:

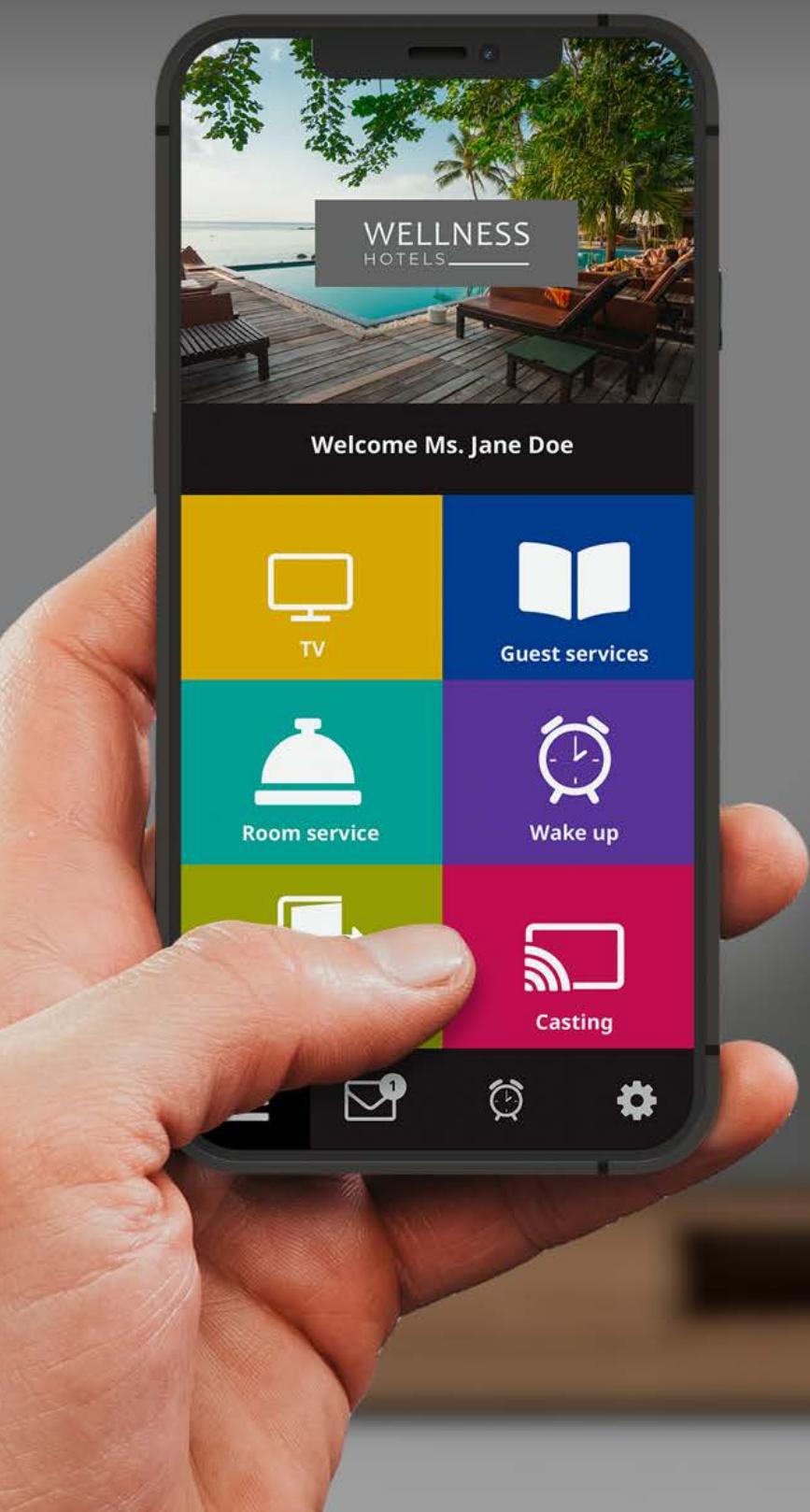
Cables and patch cords with copper inner conductor are compatible with PoE/PoE+ (Power Over Ethernet) technology.

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.



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
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 Module GPON B+ 1GbE for OLT modules 7694xx, 1 Fiber "SC/UPC", 1490nm	1
769411	SFP Module 1GbE for OLT modules 7694xx, "RJ45"	1
769412	SFP+ Module 10GbE for OLT modules 7694xx and switches 76914x, 2 SMF "LC/UPC"	1
769413	SFP Module GPON C+ 1GbE for OLT modules 7694xx, 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

FIBREDATA SOLUTIONS

TELEVES COST-EFFECTIVE
QUAD PLAY SOLUTIONS OVER
OPTICAL FIBER



OLT3072



OLT512

Compact, reliable, affordable and
easy to manage GPON and RF
overlay products.

Multiple-play service enabling high
speed data, VoIP, 802.11ac Wi-Fi, video
(IPTV and RF overlay) PoE, etc.



▲ 769421



▲ 769422



▲ 769601



▲ 769412



▲ 769132

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

Ref.	Description	
SUBSCRIBER EQUIPMENT		
ONT/ONU		
769501	Office ONT Module: 4x Gb Ethernet + 2x FXS + 2x USB, WLAN b/g/n	1
769502	Home ONT Module: 4x Gb Ethernet + 2x FXS + 2x USB, WLAN b/g/n, RF Overlay	1
769507	Basic ONU Module: 1x Gb Ethernet	1
769509	Room ONT Module: 4x Gb Ethernet / PoE (30W) + 2x FXS + 2x USB, RF Overlay	1
769514	Home AC ONT Module: 4x Gb Ethernet + 2x FXS + 1x USB, WLAN b/g/n/ac, RF Overlay	1
769520	SPF ONU Module: GPON	1



▲ 769520

Ref.	Description	
OPTICAL MICRO-RECEIVER		
231111		
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) 1i: 1310/1490/1550nm(GPON/TV), 2o: 1310/1490nm(GPON) - RF(1TV: Terr./Sat) Vo 58/49dBµV	1



▲ 231111



▲ 237330

Technical Characteristics: ONT+ONU



References	769501	769502	769514	769509	769507
Models	OFFICE	HOME		ROOM	BASIC
RF Overlay	✗	✓	✓	✓	✗
WiFi (802.11 b/g/n) (2x2) 2.4	✓	✓	✓ ⁽¹⁾	✗	✗
WiFi (802.11 b/g/n/ac) (4x4) 2.4/5	✗	✗	✓	✗	✗
USB	2	2	1	2	✗
FXS Ports	2	2	2	2	✗
ETH 10/100/1000BASE-T Ports	4	4	4	4	1
PoE	✗	✗	✗	4	✗
NAT/NAPT	✓	✓	✓	✓	✗
Firewall	✓	✓	✓	✓	✗
VPN pass-through	✓	✓	✓	✓	✗
PPPoE Terminal	✓	✓	✓	✓	✗
OMCI	✓	✓	✓	✓	✗
TR-069	✓	✓	✓	✓	✗
CLI	✓	✓	✓	✓	✗
WebGUI	✓	✓	✓	✓	✗

The Ref.769514 includes: ⁽¹⁾ WiFi (802.11 b/g/n) (3x3) 2.4

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

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		
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
769142	Ethernet Switch L2+: 8x Gb Ethernet + 24x SFP (1 Gbps) + 4x SFP+ (10 Gbps)	1
769143	Ethernet Switch L3: 32x Gb Ethernet + 8x SFP+ (10Gbps)	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
Unmanaged		
768110	Ethernet Switch L2, Unmanaged: 5x 10/100/1000 Mbps	1
768111	Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps	1
MEDIA CONVERTERS (SFP)		
769210	SFP Module 1GbE for switches 76914x and network manager 769111 2 SMF "LC/UPC", 1310nm	1
769212	Kit: 2 SFP Modules 1GbE for switches 76914x and network manager 769111, SMF "LC/UPC", 1310+1490nm	1
769214	SFP+ Module 10GbE for switches 76914x, 2 SMF "LC/UPC", 1310nm, 10km	1
769412	SFP+ Module 10GbE for OLT modules 7694xx and switches 76914x, 2 SMF "LC/UPC"	1
MANAGEMENT		
768801	DataBox device: Managing and monitoring platform for WaveData, CoaxData and Networking devices	1
Ref.	Description	
WIFI ACCESS POINTS		
WAVEDATA SERIES		
WaveData Access Points		
769001	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	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
Management		
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
Accessories		
640301	Wall Mount for CoaxData/CoaxBox/WaveBox	1
DATA OVER CABLE SYSTEM		
Ref.	Description	
COAXDATA SERIES (HOMEPLUG AV)		
GIGABIT 1GBPS		
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] Conector & 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] Conector & 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 Module 1GbE for switches 76914x and network manager 769111 2 SMF "LC/UPC", 1310nm	1
769212	Kit: 2 SFP Modules 1GbE for switches 76914x and network manager 769111, SMF "LC/UPC", 1310+1490nm	1
769220	Diplexer Filter 2/10 "F": LPF[2...68MHz] - HPF[87...2150MHz]	1/10

WAVEDATA SERIES



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.



▲ 769030



▲ 768801



▲ 769121



▲ 769301

Ref.	Description	
IPTV HEADENDS		
T.OX SERIES		
Streamers		
565701	T.OX Streamer DVB-T/T2-IP CI (Multicast/Unicast, SPTS) Multiplexer: 4 Channels [DVB-T/T2] : 32 IP Streams	1
565740	T.OX 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.OX Streamer DVBS/S2-IP CI (Multicast/Unicast, SPTS) Multiplexer: 3 Transponders(2Sat) or 3 Transponders(1Sat+LoopThru) : 32 IP Streams	1
565840	T.OX 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.OX 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.OX 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.OX Corporate Channel: Nemesis DS Player + T.OX HDMI-IP Encoder (ref. 831815 + 563852)	1
Auxiliary Equipment		
216802	Kit: OTG USB - microUSB B Cable & WiFi Adapter. Utilities: Streamers T.OX WiFi Control	1
5301	19" Rack Frame 484mm 5RU (1 PSU + 7 T.OX Modules or 10 T12/T05 Modules)	1
5629	T.OX 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		
831110	DVB-S/S2 Dual Input	1
831111	DVB-S/S2 Quad Input	1
831114	DVB-T/T2 Quad Input	1
831115	DVB-T/T2 Dual Input	1
831118	DVB-IP Input	1
831121	ATSC Quad Input	1
831122	HDMI Input QUAD	1
831123	DVB-S/S2/T/T2/C/ISDB-T Dual Input with Dual CI	1
831124	SDI Input QUAD	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.



▲ 831816



▲ 831816

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...
- 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 from 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

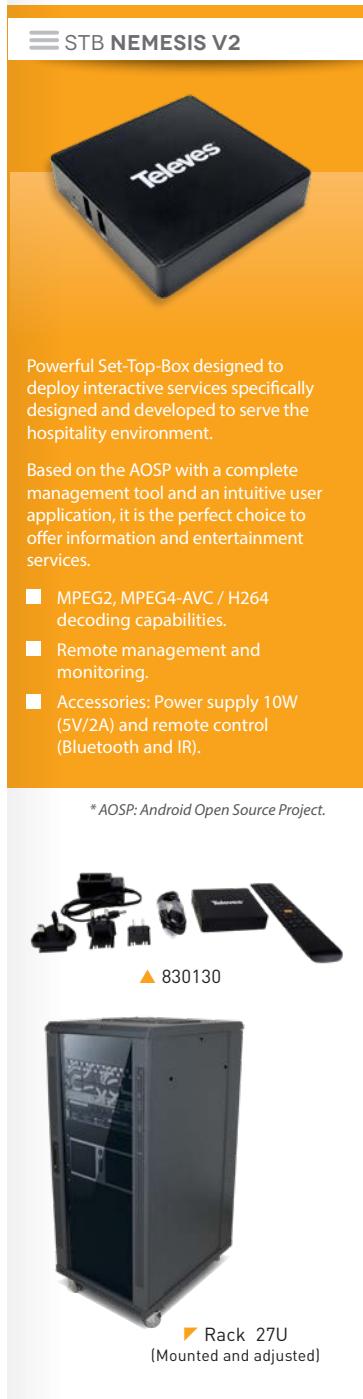


▲ 100003

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.

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
980103	Arantia TV User Interface Customization (1 hour)	1
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
ITV ACCESSORIES		
RACKS AND ACCESSORIES		
831301	19" Rack 27U (Mounted & Adjusted)	1
831302	19" Rack 37U (Mounted & Adjusted)	1
831303	19" Rack 42U (Mounted & Adjusted)	1
831304	19" Rack 22U (Mounted & Adjusted)	1
831311	Rack Rails for HE-21	1
831930	Set up and Adjustment for GPON headend (FibreData) in 19" Rack [Ref. 83130x]	1
ROUTER AND UPS		
831404	VPN Router	1
831701	Uninterruptible Power Supply (UPS)	1
SWITCHES		
831401	Ethernet Switch L3 IPTV: 24x Gb Ethernet + 4x SFP+ (10Gbps), more than 400 viewing points (ArantiaTV configuration included)	1
831402	Ethernet Switch L2 IPTV: 24x Fast Ethernet + 4x SFP (1Gbps)	1
831403	Ethernet Switch L2 IPTV: 48x Fast Ethernet + 4x SFP (1Gbps)	1
831406	Ethernet Switch L2+ IPTV: 24x Gb Ethernet + 4x SFP+ (10Gbps), up to 400 viewing points (ArantiaTV configuration included)	1
831426	Ethernet Switch L2+ IPTV: 24x Gb Ethernet + 4x SFP (1Gbps), up to 80 viewing points (ArantiaTV configuration included)	1
TRANSCEIVERS		
831503	Transceiver for IPTV switches 8314xx, 1000SX, MMF (Multi-Mode Fiber) "LC"	1
831505	Transceiver for IPTV switches 8314xx, 1000T RJ-45	1
831506	Transceiver for IPTV switches 8314xx, 1000LX, SMF (Single-Mode Fiber) "LC"	1



ARANTIA CAST



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.
- Disconnection from the system takes place on check.
- Content streaming on the hotel's television set, just like home.
- No login, password or personal information from the guest required.
- 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
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CHROMECAST DEVICE

831411	Aranticast Kit: Pre-configured Chromecast + antitheft 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 antitheft cable	1



▲ 831410



▲ 831411

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

Room 212

en.televes.com/arantiacast

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
ACCESSORIES		
830208	Power Supply Unit for STB (UK plug)	1
830209	Power Supply Unit for STB (EU plug)	1
830213	STB TVI Extension - Samsung	1
830215	STB TVI Extension - LG	1
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 for STB (EU plug)	1
830213	STB TVI Extension - Samsung	1
830215	STB TVI Extension - LG	1

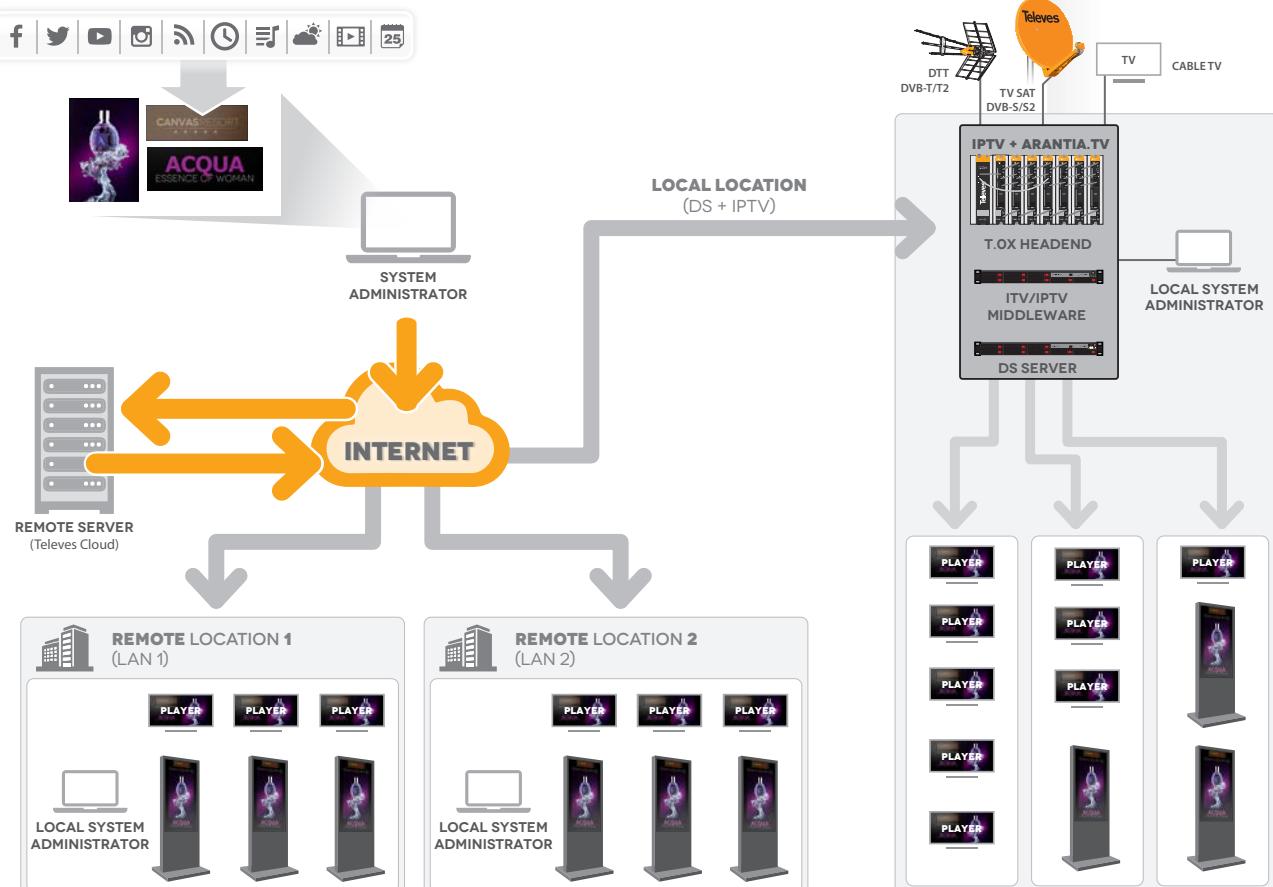


▲ 831830



▲ 831805

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



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



▲ 832201

TELEPHONY (VOIP)

Ref.	Description	
SUBSCRIBER EQUIPMENT		
ONT/ONU		
769501	Office ONT Module: 4x Gb Ethernet + 2x FXS + 2x USB, WLAN b/g/n	1
769502	Home ONT Module: 4x Gb Ethernet + 2x FXS + 2x USB, WLAN b/g/n, RF Overlay	1
769509	Room ONT Module: 4x Gb Ethernet / PoE (30W) + 2x FXS + 2x USB, RF Overlay	1
769514	Home AC ONT Module: 4x Gb Ethernet + 2x FXS + 1x USB, WLAN b/g/n/ac, RF Overlay	1
769520	SPF ONU Module: GPON	1



▲ 832204

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



▲ 770146

Ref.	Description	
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



▲ 770147

Ref.	Description	
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



▲ 770120

TV DISTRIBUTION

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



Ref.	Description	T	Force	LTE790	8
INTELLIGENT (WITH BOSSTECH)					
ELLIPSE SERIES					
Ellipse					
148902	Ellipse Terrestrial Antenna UHF [Ch21-60], G 38dBi BOSS ON PSU included 12V-200mA (Multiple Packing)	T	Force	LTE790	8
148905	Ellipse Terrestrial Antenna UHF [Ch21-60], G 38dBi BOSS ON PSU included 12V-200mA (Single Packing)	T	Force	LTE790	1/4
148910	Ellipse Terrestrial Antenna UHF [Ch21-60], G 38dBi BOSS ON (Multiple Packing)	T	Force	LTE790	8
148920	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON (Multiple Packing)	T	Force	LTE700	8
148922	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 24V-130mA (Multiple Packing)	T	Force	LTE700	8
148923	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-220mA, UK plug (Single Packing)	T	Force	LTE700	1/4
148925	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-200mA (Single Packing)	T	Force	LTE700	1/4
148926	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-200mA (Multiple Packing)	T	Force	LTE700	8
148981	Ellipse Terrestrial Antenna UHF [Ch14-51], G 38dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing)	T	Force	LTE700	1/4
Ellipse Mix					
148821	Ellipse MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 34/38dBi BOSS ON PSU included (Single Packing)	T	Force	LTE700	1/4
148822	Ellipse MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 34/38dBi BOSS ON PSU included (Multiple Packing)	T	Force	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)	T	Force	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)	T	Force	LTE600	1/4
DAT SERIES					
DAT BOSS					
149921	DAT BOSS Terrestrial Antenna UHF [Ch21-48] G 17dBi BOSS OFF, G 42dBi BOSS ON (Single packing)	T	Force	LTE700	1/5
149922	DAT BOSS Terrestrial Antenna UHF [Ch21-48] G 17dBi BOSS OFF, G 42dBi BOSS ON (Multiple packing)	T	Force	LTE700	6
149941	DAT BOSS Terrestrial Antenna UHF [Ch21-60] G 17dBi BOSS OFF, G 45dBi BOSS ON (Single Packing)	T	Force	LTE790	1/5
149942	DAT BOSS Terrestrial Antenna UHF [Ch21-60] G 17dBi BOSS OFF, G 45dBi BOSS ON (Multiple Packing)	T	Force	LTE790	6
149983	Terrestrial Antenna DAT BOSS UHF [Ch14-51] PSU included 12V-220mA (110Vac & UL Listed)(Single packing)	T	Force	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)	T	Force	LTE700	1
149783	Terrestrial Antenna DAT BOSS LR UHF [Ch14-51] PSU included 12V-220mA (110Vac & UL Listed)(Single packing)	T	Force	LTE700	1/12
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)	T	Force	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)	T	Force	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)	T	Force	LTE700	1
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)	T	Force	LTE700	5
149441	DAT BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-60] G 8.5/16dBi BOSS OFF, G 36.5/44dBi BOSS ON (Single Packing)	T	Force	LTE790	1
149442	DAT BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-60] G 8.5/16dBi BOSS OFF, G 36.5/44dBi BOSS ON (Multiple Packing)	T	Force	LTE790	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)	T	Force	LTE700	1/12
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	T	Force	LTE600	1
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)	T	Force	LTE700	1/12
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)	T	Force	LTE600	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)	T	Force	LTE700	1
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)	T	Force	LTE700	1/12
149884	DAT BOSS MIX LR Terrestrial Antenna HighVHF/UHF [Ch5-13/14-36] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Single Packing)	T	Force	LTE600	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.



TFORCE
TECHNOLOGY

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

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

en.televes.com/tforce



► ELLIPSE MIX



► DAT BOSS LR

Ask us about our KITS with antenna and PSU.

Ref.	Description	T	Force	LTE790	<input type="radio"/>	1
INTELLIGENT (WITH BOSSTECH)						
NOVA SERIES						
DINOVA BOSS						
144011	DINOVA BOSS Terrestrial Antenna UHF (Ch21-60) G 7dBi BOSS OFF, G 34dBi BOSS ON	T	Force	LTE790	<input type="radio"/>	1
144012	DINOVA BOSS Terrestrial Antenna UHF (Ch21-60) G 7dBi BOSS OFF, G 34dBi BOSS ON (Kit with accessories)	T	Force	LTE790	<input type="radio"/>	1
144021	DINOVA BOSS Terrestrial Antenna UHF (Ch21-48) G 7dBi BOSS OFF, G 34dBi BOSS ON	T	Force	LTE700	<input type="radio"/>	1
144022	DINOVA BOSS Terrestrial Antenna UHF (Ch21-48) G 7dBi BOSS OFF, G 34dBi BOSS ON (Kit with accessories)	T	Force	LTE700	<input type="radio"/>	1
144211	DINOVA BOSS MIX Terrestrial Antenna VHF/UHF(Ch5-12/21-60) G 1/6dBi BOSS OFF, G 24/33dBi BOSS ON	T	Force	LTE790	<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	T	Force	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)	T	Force	LTE700	<input type="radio"/>	1
144282	DINOVA BOSS MIX Terrestrial Antenna HighVHF/UHF(Ch7-13/14-51) G -/7dBi BOSS OFF, G 24/34dBi BOSS ON PSU included 12V-220mA (110Vac & UL Listed)(Kit with accessories)	T	Force	LTE700	<input type="radio"/>	1
144283	DINOVA BOSS MIX Terrestrial Antenna LowVHF/HighVHF/UHF(Ch2-6/7-13/14-51) G -/-7dBi BOSS OFF, G 16/29/34dBi BOSS ON	T	Force	LTE700	<input type="radio"/>	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)	T	Force	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)	T	Force	LTE600	<input type="radio"/>	1
CAMPNOVA BOSS						
144521	CAMPNOVA BOSS Terrestrial Antenna FM/BIII/UHF (Ch5-12/21-48) G -2/20/30dBi BOSS ON (Kit with accessories)	T	Force	LTE700	<input type="radio"/>	1
OMNINOVA BOSS						
144422	OMNINOVA BOSS Terrestrial Antenna BI/FM/BIII/UHF (Ch3-12/21-48) G 17/16/25/25dB BOSS ON (Kit with accessories)	T	Force	LTE700	<input type="radio"/>	1
144481	OMNINOVA BOSS Terrestrial Antenna LowVHF/FM/HighVHF/UHF G 17/16/25/25dB BOSS ON (Kit con accessories) PSU included 12V-220mA (110Vac & UL Listed)	T	Force	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 (Camping)	Low visual impact. Mounting optimized to be installed in a caravan.
	OMNI NOVA	STATIC (Short term stay)	Caravans & Ships	No need to be oriented.
	4GNOVA	STATIC	Housing	Low visual impact. Reception of LTE 4G signals to extend the telephone coverage.

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
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	1/6
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
130381	INNOVA BOSS MIX Indoor Terrestrial Antenna LowVHF/HighVHF/UHF (Ch2-6/7-13/14-51) G 15/26/27dBi (USB-microUSB 5V power supply cable included)	TFORCE LTE700	1
MIRA BOSS			
130102	MIRA BOSS Indoor Terrestrial Antenna UHF (Ch21-60) G 18dBi (UK plug)	TFORCE LTE790	1
130121	MIRA BOSS Indoor Terrestrial Antenna UHF (Ch21-48) G 18dBi	TFORCE LTE700	1
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)		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 μ V Auto-Adjustment + Output to a TV Outlet G 11dB + Preamplifier Powering 12V-100mA, UK plug (Blister T1)	AUTOLTE	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
553241	Domestic Amplifier 1i/2o "F": 47...790MHz G 20dB Vo 110dB μ V + Pream.Pow. 12V-100mA	LTE790	1
★ 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
560541	PicoKom Domestic Amplifier 1i/1o "EasyF": 47...790MHz G 14/20dB Vo 102/106dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA	LTE790	1/10
560542	PicoKom Domestic Amplifier 1i/2o "EasyF": 47...790MHz G 10/16dB Vo 98/102dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA	LTE790	1/10
560543	PicoKom Domestic Amplifier 1i/(2o+TV) "EasyF": 47...790MHz G 10/16dB Vo 98/102dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA	LTE790	1/10
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
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

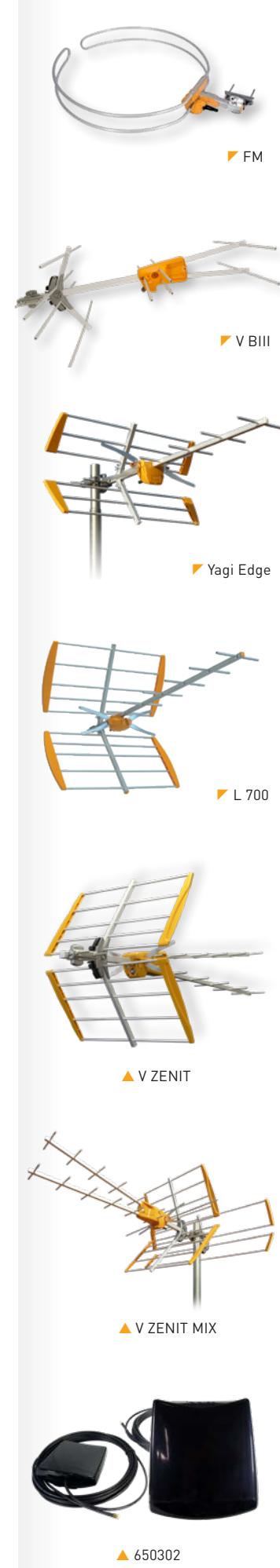


▲ 5501



▲ 5795

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			
149301	V ZENIT MIX Terrestrial Antenna BIII/UHF (Ch 5-12 / 21-58/59/60 Configurable bandwidth) G 8.5/15dBi (Single Packing)	LTE790 ● 1/6	
149302	V ZENIT MIX Terrestrial Antenna BIII/UHF (Ch 5-12 / 21-58/59/60 Configurable bandwidth) G 8.5/15dBi (Multiple Packing)	LTE790 ● 10	
149321	V ZENIT MIX Terrestrial Antenna BIII/UHF (Ch 5-12 / 21-48) G 8.5/15dBi (Single packing)	LTE700 ● 1/6	
UHF			
Yagi antenna			
111940	Yagi Edge Terrestrial Antenna UHF (Ch21-60) 12 Elements G 10dBi (Multiple Packing)	LTE790 ● 15	
111941	Yagi Edge Terrestrial Antenna UHF (Ch21-60) 12 Elements G 10dBi (Multiple packing)	LTE790 ● 15	
111942	Yagi Edge Terrestrial Antenna UHF (Ch21-60) 12 Elements G 10dBi (Single Packing)	LTE790 ● 1/10	
802440	Yagi Terrestrial Antenna UHF (Ch21-60) 10 Elements G 8.5dBi	LTE790 ● 15	
802441	Yagi Terrestrial Antenna UHF (Ch21-60) 10 Elements G 8.5dBi	LTE790 ● 15	
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	
112140	L 790 Terrestrial Antenna UHF (Ch21-60) 18 Elements G 13dBi	LTE790 ● 6	
112141	L 790 Terrestrial Antenna UHF (Ch21-60) 18 Elements G 13dBi	LTE790 ● 6	
V Zenit antenna			
149201	V ZENIT Terrestrial Antenna UHF (Ch21-58/59/60 Configurable bandwidth) G 15dBi (Single Packing)	LTE790 ● 1/6	
149202	V ZENIT Terrestrial Antenna UHF (Ch21-58/59/60 Configurable bandwidth) G 15dBi (Multiple Packing)	LTE790 ● 10	
149212	V ZENIT Terrestrial Antenna UHF (Ch21-58/59/60 Configurable bandwidth) G 15dBi (Multiple Packing)	LTE790 ● 10	
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	
108341	Panel Terrestrial Antenna UHF (Ch21-60) 4 Dipoles G 14dBi	LTE790 ● 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	20	
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	



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

Ref.	Description	
LNB		
COAXIAL (RF)		
Universal		
4332	Offset LNB Twin (2 Outputs Hh/Vh/Hl/Vl) G 60dB [Blister T2]	6
4365	Offset LNB Single (Universal) Hh/Vh/Hl/Vl G 60dB [Blister T1]	8
7475	Offset LNB Single (Universal) Hh/Vh/Hl/Vl G 60dB	1/10
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
WideBand		
747401	Wideband LNB (2 Outputs H-V) G 56dB	1
747402	Wideband LNB (2 Outputs H-V) G 57dB for Overlight solution	1
DLNB		
Offset		
723301	dLNB Programmer	1
747322	dLNB Offset 1 Output 8xSCR/dCSS+8xdCSS Dynamic, Gray	1
OPTICAL FIBRE		
Front feed		
2363	Prime Focus Optical LNB 1310nm "FC/PC" G 72dB Po 7dBm, Grey	1
ACCESSORIES		
4163	Outdoor Case Grey Large Model Dimensions: External 136x127x45mm Internal 125x97x35mm	1/5
7268	DiSEqC 2.0 Switch 2i/1o 0...2400MHz	1/10
732150	DC Cable "F"-Jack" Female 0,4m	1
7450	Current Injector 10...2150MHz 1...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



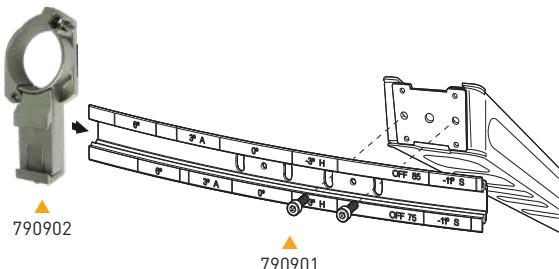
▲ 747701



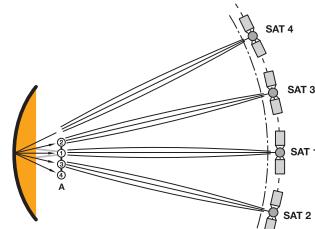
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▲ 2363



790902



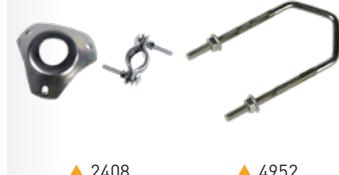
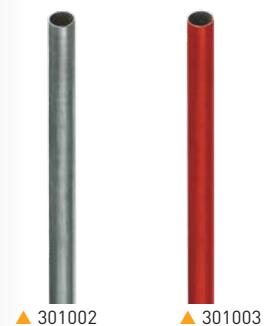
▲ 747802



▲ 761001

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
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	● 4
3010	Mast Zinc+RCP 3m x Ø 45mm x Thickness 2mm	● 4
3042	Mast Zinc+RCP 2.5m x Ø 35mm x Thickness 1mm	● 6
3072	Mast Zinc+RCP 3m x Ø 40mm x Thickness 2mm	● 4
Zinc+Painting		
3075	Mast Zinc+Red 3m x Ø 45mm x Thickness 2mm	● 4
307502	Mast Zinc+White 3m x Ø 45mm x Thickness 2mm	○ 4
Hot-Dip Galvanizing		
300810	Mast HDG 2.5m x Ø 35mm x Thickness 1.5mm	● 4
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
ELBOWED		
Hot-Dip Galvanizing		
243810	Angled Mast HDG 1x0.3m x Ø 50mm	● 1
FIXING ACCESSORIES		
2047	Jaw Clamp Zinc+RCP for Masts Up Ø 25...45mm	● 10
2408	Saddle & Clamp Zinc+RCP for Guy Wire, Inner Ø 46mm	● 10
2413	Mast Clamp Zinc+RCP Ø 35mm	● 6
4361	Guy Wire Mounting Kit Ø 45mm	1/5
4951	Mast Clamp Zinc+RCP Ø 25...45mm (Blister T1)	8
4952	"U" Bolt for Mast Clamp Ø 25...45mm (Blister T1)	8
4953	Mast Clamp with Coach Screw Ø 30...50 mm	12

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 Ø 30mm	● 1
2415	Reinforced Mast Bracket Zinc+RCP for Chimney 396x400mm	● 1



Ref.	Description	
BRACKETS FOR MASTS		
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
Ref. Description		
SUPPORTS FOR ANTENNAS		
"L" TYPE		
Zinc+RCP		
2427	"L" Bracket Zinc+RCP Wall Mount 450x440mm / Ø 40mm x Thickness 2mm	5
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
719213	"Y" Bracket Galvanized Wall/Ground Mount 438x256mm or 431x264mm / Ø 40mm 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)	1/10
4360	Opened Staple for Coaxial Cable (25 units) (Bag B1)	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



▲ 7371



▲ 7409



▲ 7576

▲ 757602



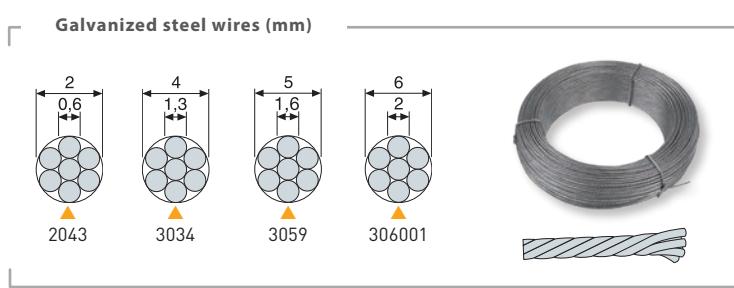
▲ 719201



▲ 2117



▲ 2000



▲ 2011

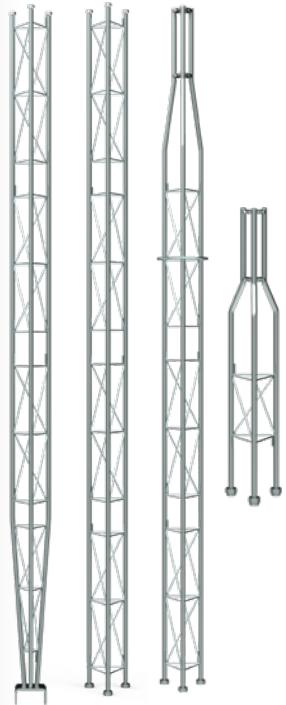
Ref.	Description	
FOR COMMON USE		
PACK TOWER		
306501	"Pack" Tower Galvanized+Orange 2.2m (Mast and Accessories included)	1
180 SE TOWER		
Zinc + RCP		
3014	Upper Section 180 SE Tower Zinc+RCP 1.25m (mast Ømax 46mm)	1
3015	Upper Section 180 SE Tower Zinc+RCP 2.5m, with Wire Ring (mast Ømax 46mm)	1
3017	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
305001	Structural Cube 180 Tower Zinc+RCP 200mm	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

Types of finishing	
	HDG Hot-Dip Galvanized
	Zinc + RCP Zinc plated + Reactive Coating Process
	HDG + Painting Hot-Dip Galvanized + Lacquered in oven with electrostatic powder of polyester
	Zinc + Painting Zinc plated + Lacquered in oven with electrostatic powder of polyester



▲ Pack Tower (Ref. 306501)

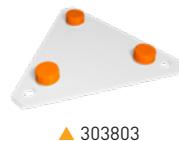
Compatible with support Ref. 7349.



▲ 180 Sections

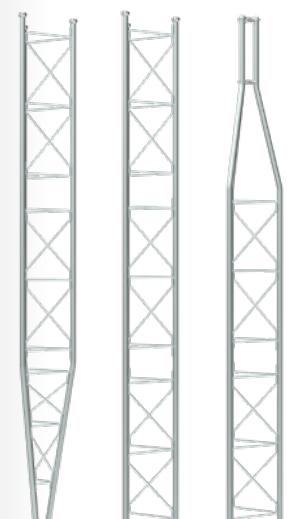


▲ Q1500 Tower (Stainless Steel)
(Ref. 3049 + Ref. 304910)



▲ 303803

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
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		
3131001	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

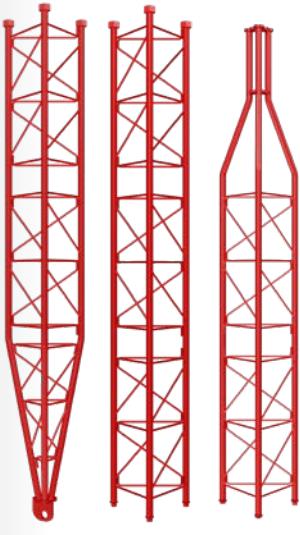


▲ 360 Section

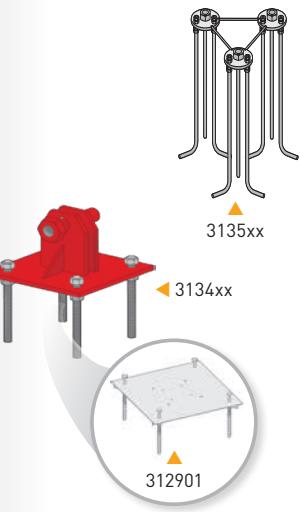


3088xx

3089xx



▲ 450 Section



313502

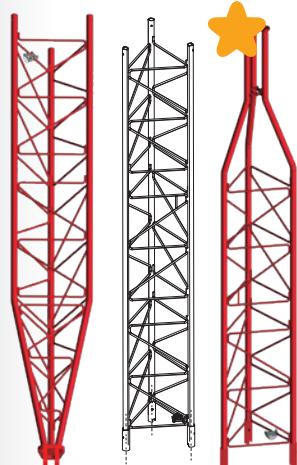
313401

312901

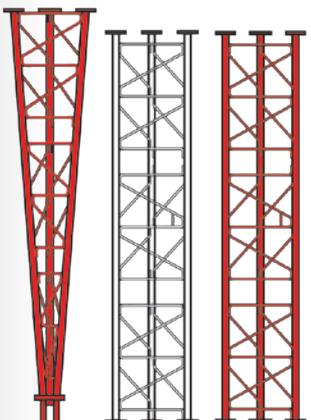
Ref.	Description	
WIND INDUSTRY		
550 TOWER		
Zinc + Painting		
313901	Lower Section Pivoting 550 Tower Zinc+Red 3m	● 1
3140	Middle Section 550 Tower Zinc+Red 3m	● 1
314001	Middle Section 550 Tower Zinc+White 3m	○ 1
3141	Transition Section 550 to 450 Tower Zinc+Red 3m	● 1
Hot-Dip Galvanizing + Painting		
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 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
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
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



▲ 550 Section



▲ 450XL/550XL Sections Reinforced



▲ 550 ULTRA Sections - Reinforced



▲ 312911

Ref.	Description		
LTE FILTERS			
EASYF FORMAT			
405202	High Rejection LTE Filter (HR) "EasyF" 47...694MHz VHF/UHF [Ch48] Outdoor	LTE700	1/10
405203	High Rejection LTE Filter (HR) "EasyF" 47...694MHz VHF/UHF [Ch48] Outdoor (DC Pass)	LTE700	1/10
405401	High Rejection LTE Filter (HR) "EasyF" 47...790MHz VHF/UHF [Ch60] Outdoor	LTE790	1/10
405402	High Rejection LTE Filter (HR) "EasyF" 47...782MHz VHF/UHF [Ch59] Outdoor	LTE790	1/10
405403	High Rejection LTE Filter (HR) "EasyF" 47...782MHz VHF/UHF [Ch59] Outdoor (DC Pass)	LTE790	1/10
PLUG-IN FORMAT			
F connector			
403201	Medium Rejection LTE Filter (MR) "F" 47...694MHz VHF/UHF [Ch48], Indoor (DC Pass)	LTE700	1/10
403220	High Rejection LTE Filter (HR) "F" 47...694MHz VHF/UHF [Ch48] Indoor	LTE700	1/10
403401	High Rejection LTE Filter (HR) "F" 47...790MHz VHF/UHF [Ch60] Indoor	LTE790	1/10
403402	High Rejection LTE Filter (HR) "F" 47...782MHz VHF/UHF [Ch59] Indoor	LTE790	1/10
IEC connector			
403210	High Rejection LTE Filter (HR) "IEC" 47...694MHz VHF/UHF [Ch48] Indoor	LTE700	1/10
404401	High Rejection LTE Filter (HR) "IEC" 47...782MHz VHF/UHF [Ch59] Indoor	LTE790	10/50
404411	Medium Rejection LTE Filter (MR) "IEC" 470...774MHz UHF [Ch58] Indoor (Bag B3)	LTE790	10
404412	High Rejection LTE Filter (HR) "IEC" 47...790MHz VHF/UHF [Ch60] Indoor (Bag B3)	LTE790	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	10
SMATV (TERRESTRIAL + SATELLITE)			
4340	Combiner MATV-SAT 2i/1o: 47..790-950..2400MHz[dc] (Blister T1)	LTE790	8
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
Ref.	Description		
MAST AMPLIFIERS			
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	1/10
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
561620	NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-VHFmix-SATmix[dc] G 28- (-1,5) - (-2,5)dB Vo 109dB μ V w/USOS 12...24V Powering (Automatic LTE Filter & Switchable DC Pass)	AUTOLTE	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



▲ 417801



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



▲ 433401



▲ 740710



▲ 745210



▲ 561620 (with AUTO-LTE filter)

The amplifier is able to automatically switch the LTE filter on to filter channels from 48 (LTE700) to 60 (LTE790) depending on the scenario.

Ref.	Description	LTE	790	1/5
MAST AMPLIFIERS				
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	●	1/5
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)	LTE790	●	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)	LTE790	●	1/5
535820	Mast Amplifier 4i/1o "EasyF": FM-BIII/DAB-UHF-UHF[dc] G 15-32/32-36dB Vo 116dB μ V 24V Pow. (Switchable DC Pass)	LTE790	●	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				
53551034	Mast Amplifier 4i/1o: BIII/DAB-21...33[dc]-36...48/60[dc]-UHF[dc] G 26-27-27-28dB Vo 114dB μ V 24V Powering Switchable LTE790/700 Filter and DC Pass	700/790	●	1/5
53551040	Mast Amplifier 4i/1o: BIII/DAB-21...38[dc]-42...48/60[dc]-UHF [dc] G 26-27-27-28dB Vu 114dB μ V 12V Powering Switchable LTE790/700 Filter and DC Pass	700/790	●	1/5
536010	Mast Amplifier 2i/1o "EasyF": BIII/DAB/UHF[dc]-UHF[dc] G 26/26-28-28dB Vo 114 dB μ V 12V Powering Switchable LTE790/700 Filter and DC Pass	700/790	●	1/5
536011	Mast Amplifier 3i/1o "EasyF": BIII/DAB-UHF-UHF[dc] G 26/26-28-28dB Vo 114 dB μ V 12V Powering Switchable LTE790/700 Filter and DC Pass	700/790	●	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	LTE790	●	1/5
IF-MIX SERIES				
5354	Mast Amplifier 2i/4o "EasyF": UHF/Vmix[dc]-SATmix[dc] G 20/(-9) - (-12)dB Vo 93dB μ V 12...24V Pow.	700/790	●	1/5
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		
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)	8		
Ref.	Description	LTE	790	1/5
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. Kit with Refs. 561721 & 5795	LTE790	●	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)	LTE790	●	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	●	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)	LTE790	●	8
567802	NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-VHFmix-SATmix[dc] with USOS + PicoKom PSU 1i/1o "EasyF" 12V-220mA. Kit with Refs.: 561601 & 5796	LTE790	●	1
567810	NanoKom Mast Amplifier 3i/1o "EasyF": UHF[dc]-VHFmix-SATmix[dc] with USOS + PicoKom PSU 1i/2o "EasyF" 12V-200mA (Refs.561621+579401)	LTE790	●	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	●	1/5
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



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



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



▲ Domestic PSU: F connector
145 x 35 x 45 mm



▲ 438820

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
560541	PicoKom Domestic Amplifier 1i/1o "EasyF": 47...790MHz G 14/20dB Vo 102/106dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA	LTE790 1/10
560542	PicoKom Domestic Amplifier 1i/2o "EasyF": 47...790MHz G 10/16dB Vo 98/102dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA	LTE790 1/10
560543	PicoKom Domestic Amplifier 1i/(2o+TV) "EasyF": 47...790MHz G 10/16dB Vo 98/102dB μ V Auto-Adjustment + Preamp.Pow. 12V-150mA	LTE790 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 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 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 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 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]	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 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 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 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 8
553120	Domestic Amplifier 1i/6o "F": 47...694MHz G 14dB Vo 95dB μ V [Blister T1]	LTE700 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 G(-9)/19/21dB Vo 111/114dB μ V +Output to a TV Outlet G(-16)/11/13dB [Blister T1]	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]	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]	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]	8
553304	Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/25dB Vo 116dB μ V [Passive Ret.+Equaliser] [Blister T1]	8
553504	Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/35dB Vo 116dB μ V [Passive Ret.+Equaliser] [Blister T1]	8

SERIE PICOKOM

easyF

LTE
700
READY



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



Ref.	Description			
LAUNCH AMPLIFIERS				
MINIKOM EASYF SERIES				
MATV (terrestrial)				
562321	MiniKom Amplifier 5i/1o "EasyF": FM-V-U-21..35-39..48/60 G 15-[24][34]-[26][36]-[24][34]-[25][35]dB Vo 113-114-116-116-116dB μ V Preamp. Powering 12V-200mA Switchable LTE790/700 Filter and DC Pass	700	790	1
562322	MiniKom Amplifier 5i/1o "EasyF": FM-V-U-21..32-36..48/60 G 15-[24][34]-[26][36]-[24][34]-[25][35]dB Vo 113-114-116-116-116dB μ V Preamp. Powering 12V-200mA Switchable LTE790/700 Filter and DC Pass	700	790	1
562323	MiniKom Amplifier 5i/1o "EasyF": FM-V-U-21..38-42..48/60 G 15-[24][34]-[26][36]-[24][34]-[25][35]dB Vo 113-114-116-116-116dB μ V Preamp. Powering 12V-200mA Switchable LTE790/700 Filter and DC Pass	700	790	1
562421	MiniKom Amplifier MATV 4i/1o "EasyF": FM-VHF-UHF-UHF G 15-[24][34]-[26][36]-[24][34]-[25][35]dB Vo 113-114-116-116dB μ V Preamp. Powering 12V-200mA Switchable LTE790/700 Filter and DC Pass	700	790	1
562521	MiniKom Amplifier MATV 3i/1o "EasyF": FM-VHF-UHF G 15-[24][34]-[26][36]dB Vo 113-114-116dB μ V Preamp. Powering 12V-200mA Switchable LTE790/700 Filter and DC Pass	700	790	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 113-114-115-115-122dB μ V Preamp. 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 Preamp. Powering 12V-200mA Switchable DC Pass	LTE700		1
MINIKOM F SERIES				
MATV (terrestrial)				
5372	MiniKom Amplifier Return Path + MATV 2i/[7+1]o "F": FM/VHF-5..7MHz/UHF G 5-0.5/15dB Vo 89-108/89dB μ V (+16/16-15/27dB) 12V 30/10mA Preamp. /IR Powering (UK Plug)			1
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]-[27][37]dB Vo 114-114-117-117dB μ V 12V-70mA Preamp. 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 Preamp. 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 Preamp. 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 Preamp. 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 Preamp. Powering	LTE700		1
534121	DTKOM Amplifier MATV 5i/1o "F": FM-BIII-21..32-36..48-UHF G [25][25]-[32][42]-[31][41]-[31][41]-[32][42]dB Vo 123dB μ V 12V-50mA Preamp. 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..65/47..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)			1
534511	Kit: PAD Diplexor for Return Path 5...85MHz (2-unit)			1
534512	Kit: PAD Diplexor for Return Path 5...204MHz (2-unit)			1
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)				
534211	MicroKom Amplifier Return Path + MATV 1i/1o "F": 5..65/85...1006MHz G G (- 20)/[20][25]dB Vo 118/121 dB μ V			1
534411	MicroKom Amplifier Return Path + MATV 1i/1o "F": 5..65/85...1006MHz G (- 20)/[28][35]dB Vo 118/121 dB μ V			1
534481	Outdoor Amplifier MicroKom Return Path + MATV 1i/1o "F": 5..42/54...1006MHz G [0][28]/[30][35]dB Vo 121dB μ V (US Plug)			1

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



▲ 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

Ref.	Description	
PROGRAMMABLE AMPLIFIERS		
AVANT 6		
532603	Avant 6 with anti-LTE Filter: Programmable Amplifier with Digital Filtering (20 Filters) 5i/1o "F": FM-DAB-2xVHF/UHF G 19-50-55dB Vo 114-114-114dB μ V	T FORCE LTE700 1
AVANT X		
Avant X Basic		
532101	Avant X Basic 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]	T FORCE AUTOLTE 1
532103	Avant X Basic with anti-LTE Filter: Programmable Amplifier with Digital Filtering 5i/1o "F", 2 selectable modes: FM-4x(VHF/UHF) ou FM-DAB-3xUHF G 29-75 or 29-72-75dB Vo 122-122 or 122-119-122dB μ V	T FORCE 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	T FORCE 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	T FORCE 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) ou FM-DAB-3xUHF G 29-75 or 29-72-75dB Vo 122-122 or 122-119-122dB μ V Autoprogramming, Monitoring and Report PDF	T FORCE 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	T FORCE 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)	T FORCE AUTOLTE 1
532181	Avant X: Programmable Single Channel Headend 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)	T FORCE 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)	T FORCE LTE700 1
POWER SUPPLY UNITS		
994903	Avant X Power Supply Unit 12V-1.5A	1



▲ 532603

PROGRAMMING AVANT SERIES



A SIMPLE AND INTUITIVE APPLICATION FOR ANDROID, PC AND MAC
USB connection using a OTG cable (included in all the Avant X models)



AUTOMATIC PROGRAMMING WITH A SINGLE KEY!
(only on PRO model)



COMPATIBLE WITH UNIVERSAL PROGRAMMER
(Ref.7234, not included)

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AVANT X PROGRAMMABLE HEADEND AMPLIFIER DIGITAL FILTERING AND PROCESSING

A NEW EVOLUTIVE STAGE

DIGITAL PROCESSING TECHNOLOGY IMPLEMENTED ON TERRESTRIAL TV SIGNALS



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

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



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)

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
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)		10
5165	Adjustable Attenuator "IEC" 0 to 20dB 40..860MHz DC Pass		10
765380	Adjustable Attenuator "F" 0 to 20dB HighVHF/UHF with LowVHF loop through, DC Pass		1/10
FILTERS			
4007	Notch Filter "F" UHF [Ch21-69] 1 Channel & 1 Adjustment		1/10
LINE AMPLIFIERS			
400610	Line Amplifier UHF 1i/1o "F": 470...790MHz G 13dB Vo 98dB μ V (Plug-in)	LTE790	1/10
400620	Line Amplifier UHF 1i/1o "F": 470...694MHz G 13dB Vo 98dB μ V (Plug-in)	LTE700	1/10
7485	Line Amplifier 1i/1o "F": UHF/SAT[dc] G -2.5/20dB Vo 112.5dB μ V		1/10
ELECTRICAL PROTECTION			
401101	Earth Bar 5xConnectors "F"		1
401102	Earth Bar 6xConnectors "F"		1
401103	Earth Bar 7xConnectors "F"		1
401104	Earth Bar 9xConnectors "F"		1
401105	Earth Bar 11xConnectors "F"		1
401106	Earth Bar 13xConnectors "F"		1
401107	Earth Bar 17xConnectors "F"		1
401108	Earth Bar 21xConnectors "F"		1
401109	Earth Bar 27xConnectors "F"		1
494702	Coaxial Atmospheric Surge Arrestor 90V 0...3GHz		1
494710	Kit: 4xSurge Arrestor and Earth bar, 9x"Female"		1
494711	Kit: 11xSurge Arrestor and Earth bar, 11x"Female"		1
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
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, 48mm		10
7234	Universal Programmer T.0X/T05/AVANT		1



▲ 508612



▲ 549812/549880



▲ 5072



▲ 5069



▲ 4315

Ref.	Description	
T.OX SERIES		
TRANSMODULATORS: SATELLITE INPUT (SMATV)		
IP output		
565801	T.OX Streamer DVBS/S2-IP CI [Multicast/Unicast, SPTS] Multiplexer: 3 Transponders(2Sat) or 3 Transponders(1Sat+LoopThru) : 32 IP Streams	1
565840	T.OX 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.OX Transmodulator DVBS/S2-COFDM (47...862MHz)	1
563301	T.OX Transmodulator DVBS/S2-COFDM CI (47..862MHz)	1
564201	T.OX Transmodulator DVBS/S2-COFDM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :1Ch or 3 Transponders(1Sat+LoopThru) :1Ch	1
564203	T.OX Transmodulator DVBS/S2-COFDM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat): 1 Ch or 3 Transponders(1Sat+LoopThru): 1 Ch VSecure re-encryption	1
564230	T.OX Transmodulator DVBS/S2-COFDM CI (47...862MHz) Multiplexer: 3 Transponders(2Sat): 1 Ch or 3 Transponders(1Sat+LoopThru): 1 Ch Xcrypt re-encryption	1
564260	T.OX Transmodulator DVBS/S2-ISDBTb CI (47...862MHz) Multiplexer: 3 Transponders(2Sat) :1Ch or 3 Transponders(1Sat+LoopThru) :1Ch	1
564301	T.OX 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.OX Twin Transmodulator DVBS/S2-QAM (47...862MHz)	1
564101	T.OX Transmodulator DVBS/S2-QAM CI (47..862MHz) Multiplexer: 3 Transponders(2Sat) :1Ch or 3 Transponders(1Sat+LoopThru) :1Ch	1
564401	T.OX Twin Transmodulator DVBS/S2-QAM CI (47..862MHz) Multiplexer: 3 Transponders(2Sat) :2Ch or 3 Transponders(1Sat+LoopThru) :2Ch	1
564501	T.OX Hexa Transmodulator DVBS/S2-QAM (47...862MHz)	1
TRANSMODULATORS: DIGITAL TERRESTRIAL INPUT (MATV)		
IP output		
565701	T.OX Streamer DVB-T/T2-IP CI [Multicast/Unicast, SPTS] Multiplexer: 4 Channels (DVB-T/T2) :32 IP Streams	1
565740	T.OX 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
Digital Terrestrial Output		
565101	T.OX Twin Transmodulator DVBT/T2-COFDM CI (47...862MHz) Multiplexer: 2 Channels (DVB-T/T2) :2 Channels (DVB-T)	1
Digital Cable Output		
565201	T.OX Twin Transmodulator DVBT/T2-QAM CI (47...862MHz) Multiplexer: 2 Channels (DVB-T/T2) : 2 Channels (DVB-T)	1
ENCODERS: AUDIO/VIDEO INPUT		
Digital Terrestrial Output		
563833	T.OX Encoder/Modulator Twin, 2i: HDMI / Component (YPbPr) - 1Mux: ISDB-Tb/DVB-T (MPEG2/4)	1
Digital Cable Output		
563801	T.OX Encoder/Modulator Twin, 2i: Component(YPbPr) - 1Mux: QAM (MPEG2/4)	1
563802	T.OX Encoder/Modulator Quad, 4i A/V: CVBS - 1Mux: QAM (MPEG2/4)	1
563803	T.OX Encoder/Modulator Twin, 2i: HDMI / Component(YPbPr) - 1Mux: QAM (MPEG2/4)	1
Digital Terrestrial or Cable Output		
563822	T.OX Encoder/Modulator Quad, 4i A/V: CVBS - 1Mux: COFDM/QAM (MPEG2/4)	1
563832	T.OX Encoder/Modulator Twin, 2i: HDMI / Component (YPbPr) - 1Mux: COFDM/QAM (MPEG2/4)	1
566001	T.OX 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.OX 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.OX 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.OX 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.OX 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.OX Encoder/Modulator IP, 1i: 12 IP Streams (HLS) - 1 Mux: QAM (Annex B)	1

STREAMERS T.OX 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.



▲ T.OX Encoders

Generate your own DTT content in High Definition.



▲ 563201

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

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
580610	T.0X Twin Modulator Analogue A/V-PAL Mono [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-5A (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. Utilities: 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	
OTHER		
MODULATORS: AUDIO/VIDEO INPUT		
Analogue Output		
585910	Analogue Modulator Octo PAL B/G (VHF/UHF) Wall mount [USB-microUSB OTG cable included]	1
585980	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

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



▼ 5629



▼ 562910



▲ 234801/234811



▲ 234228

▲ 234221



▲ 234401

▲ 234501

▲ 234601



▲ 234701

▲ 234702

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
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
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
Filters		
★ 765301	Diplexer Filter 1/2o "F": LPF[5...85MHz] - HPF[105...1220MHz]	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



▲ 769902



▲ 769903



▲ 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



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
OPTICAL TRANSMITTERS		
★ 237501	Overlight Optical Transmitter CWDM "SC/APC" 9dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1550nm(Sat+Terr)	1
★ 237502	Overlight Optical Transmitter CWDM "SC/APC" 10dBm 64 users 3i: 2x 290...2340MHz(Sat) - RF(Terr.), 1o: 1310nm(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
★ 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
★ 237540	Overlight Optical Receiver Quattro "SC/APC" FM/DAB/UHF-SAT	1
Ref. Description		
TV THROUGH OPTICAL FIBER (MAX. 32 USERS)		
LNB		
★ 747401	Wideband LNB [2 Outputs H-V] G 56dB	1
KIT: LNB AND OPTICAL CONVERTER		
★ 237411	Kit: WideBand LNB (Ref. 747401)+ Optical Transmitter "FC/UPC" 7dBm 32 users 1550nm (Ref. 237401)	1
★ 237412	Kit: WideBand LNB (Ref. 747401) + Optical Transmitter "FC/UPC" 8dBm 32 users 1310nm (Ref. 237402)	1
OPTICAL TRANSMITTERS		
★ 237401	Optical Transmitter "FC/UPC" 7dBm 32 users 1550nm (DAB/VHF/UHF/SAT)	1
★ 237402	Optical Transmitter "FC/UPC" 8dBm 32 users 1310nm (DAB/VHF/UHF/SAT)	1
CONVERTERS		
236903	Optical/RF Converter "FC/PC"- "F" Quad FM/DAB/UHF-SAT	1
237003	Optical/RF Converter "FC/PC"- "F" Quattro FM/DAB/UHF-SAT	1
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 "SC/APC". 2i: 1310/1490nm(Sat) - RF(Terr.), 1o: 1310/1490/1550nm(Sat/Terr.), 6dBm	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
732802	Power Supply Unit 12.5V-2.8A	1

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

OVERLIGHT SERIES

ENHANCED ELECTRONICS AND
OPTICAL ENGINEERING TO LIGHT
UP YOUR TV



▲ 237501

Distribution of satellite and terrestrial signals to multiple users through a single optical fibre.

- High output level
- Preserves the signal quality
- Optimized electronic design



▲ 237301



▲ 237320

► Full DTT + SAT system over optical fibre with WDM



▲ 237901

Fiber4Sat: Transmission of content from 2 to 4 satellites and DTT through optical fibre using DWDM or CWDM

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

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.



▲ 719603



▲ 714501



▲ 714405

NEVOSWITCH SERIES

9X - 2 SATELLITE

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
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13X - 3 SATELLITE

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
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17X - 4 SATELLITE

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
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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 5x5x2 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Multichoice version)	1
714122	dCSS Multiswitch 5x5x4 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Multichoice version)	1
714141	dCSS Multiswitch 5x5x2 "F" Terminal/Cascade, Switchable Adjustable/Passive Terrestrial (Polish version)	1

POWER SUPPLY UNITS

12V

732101	Power Supply Unit 12V-0.8A	1
732210	Power Supply Unit 12V-1.5A (UK plug)	1
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

ACCESSORIES

3821	"Quick F" Male - "F" Male Adapter, Plastic Box	50/500
401101	Earth Bar 5xConnectors "F"	1
401102	Earth Bar 6xConnectors "F"	1
401103	Earth Bar 7xConnectors "F"	1
401104	Earth Bar 9xConnectors "F"	1
401105	Earth Bar 11xConnectors "F"	1
401106	Earth Bar 13xConnectors "F"	1
401107	Earth Bar 17xConnectors "F"	1
401108	Earth Bar 21xConnectors "F"	1
401109	Earth Bar 27xConnectors "F"	1
4174	Set of 5 Colour Coded Leads "Quick F" 260mm	1/50
732150	DC Cable "F"- "Jack" Female 0,4m	1
7450	Current Injector 10...2150MHz 1...24Vdc-1.5A	1/20



▲ 714601



▲ 714701



▲ 714805



▲ 732802



▲ 3821



▲ 7450

Ref.	Description	
SPLITTERS		
EASYF SERIES		
Terrestrial + satellite		
432803	Mini-Splitter 5...2400MHz "EasyF" 2W 4.3/4dB Indoor DC Pass 0-I (Bag B3)	8
432902	Splitter 5...2400MHz "EasyF" 4W 9/7.5dB Indoor DC Pass All (Blister T1)	8
434103	Mini-Splitter 5...2400MHz "EasyF" 2W 4.5/4.3dB DC Pass All With Outdoor Mounting Case (Blister T1)	● 10
434202	Splitter 5...2400MHz "EasyF" 4W 9/7.5dB DC Pass 0-I With Outdoor Mounting Case (Blister T1)	● 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		
5150	Splitter 5...2400MHz "F" 2W 4/5dB Indoor	1/10
515020	Splitter 5...2400MHz "F" 2W 4/5dB Indoor + UAP	1/10
5151	Splitter 5...2400MHz "F" 3W 7/9dB Indoor	1/10
515120	Splitter 5...2400MHz "F" 3W 7/9dB Indoor + UAP	1/10
5152	Splitter 5...2400MHz "F" 4W 8/10dB Indoor	1/10
5153	Splitter 5...2400MHz "F" 5W 10/12dB Indoor	1/10
5154	Splitter 5...2400MHz "F" 4W 8/10dB Indoor + UAP	1/10
5155	Splitter 5...2400MHz "F" 2W 4/5dB Indoor DC Pass All	1/10
5156	Splitter 5...2400MHz "F" 4W 8/10dB Indoor DC Pass All	1/10
5157	Splitter 5...2400MHz "F" 5W 10/12dB Indoor DC Pass All	1/10
5158	Splitter 5...2400MHz "F" 6W 11/14dB Indoor DC Pass All	1/10
5159	Splitter 5...2400MHz "F" 8W 12/15dB Indoor DC Pass All	1/10
5160	Splitter 5...2400MHz "F" 5W 10/12dB Indoor + UAP	1/10
5161	Splitter 5...2400MHz "F" 7W 12/15dB Indoor + UAP	1/10
7406	Splitter 5...2400MHz "F" 8W 12/15dB Indoor	1/10
7441	Splitter 5...2400MHz "F" 6W 11/14dB Indoor	1/10
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)	10
4322	Inductive Splitter "IEC" Ø 9.5mm 1 Female - 2 Males DC Pass All (Bag B1)	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
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
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



WHITE FACE PLATE FOR MINI SERIES



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		
5130	Tap 5...2400MHz "F" 2W 12dB Indoor (TA - Floor 1)	1/10
5131	Tap 5...2400MHz "F" 2W 15dB Indoor (A - Floors 2 y 3)	1/10
5132	Tap 5...2400MHz "F" 2W 18dB Indoor (B - Floors 4 & 5)	1/10
5133	Tap 5...2400MHz "F" 2W 23dB Indoor (C - Floors 6 & 7)	1/10
5134	Tap 5...2400MHz "F" 2W 27dB Indoor (D - Floors 8...10)	1/10
5135	Tap 5...2400MHz "F" 6W 19dB Indoor (TA - Floor 1)	1/10
5136	Tap 5...2400MHz "F" 6W 21dB Indoor (A - Floors 2 y 3)	1/10
5137	Tap 5...2400MHz "F" 6W 25dB Indoor (B - Floors 4...6)	1/10
514110	Tap 5...2400MHz "F" 4W 12dB Indoor DC Pass All (TA - Floor 1)	1/10
514210	Tap 5...2400MHz "F" 4W 16dB Indoor DC Pass All (A - Floors 2 & 3)	1/10
514310	Tap 5...2400MHz "F" 4W 19dB Indoor DC Pass All (B - Floors 4 & 5)	1/10
514410	Tap 5...2400MHz "F" 4W 24dB Indoor DC Pass All (C - Floors 6...8)	1/10
514510	Tap 5...2400MHz "F" 4W 29dB Indoor DC Pass All (D - Floors 9 & 10)	1/10
5146	Tap 5...2400MHz "F" 8W 19dB Indoor (TA - Floor 1)	1/10
5147	Tap 5...2400MHz "F" 8W 20dB Indoor (A - Floors 2 y 3)	1/10
5148	Tap 5...2400MHz "F" 8W 25dB Indoor (B - Floors 4...6)	1/10



▲ 542503



▲ 544502



▲ 5492



▲ 5132



▲ 5135



▲ 514110

Ref.	Description	
TAPS		
F SERIES		
Terrestrial		
451903	Tap 5...1220MHz "F" 1W 17dB Indoor	1/10
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
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
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



▲ 451903



▲ 456703



▲ 417801



▲ 4058



▲ 4061



▲ 4163

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)	8
4373	Through Outlet 5..862MHz, TV-FM 9.5-24dB w/o DC Pass + Face Plate (Blister T1)	8
5230	End Outlet 5...862MHz, TV-FM 4.5-18dB without DC Pass	10/100
5231	Through Outlet 5...862MHz, TV-FM 9.5-24dB without DC Pass	10/100
523110	Through Outlet 5...790MHz, TV-FM 9.5-24dB without DC Pass	LTE790 10/100
5232	End Outlet Diplexed 5...1000MHz, TV-FM 0.5-3dB without DC Pass	10/100
523202	End Outlet Diplexed 5...1220MHz, TV-FM 0.5-3dB without DC Pass (without Clamps)	1/10/100
5233	Through Outlet 5...1000MHz, TV-FM 7-26dB without DC Pass	10/100
Terrestrial - 2 connectors DOCSIS 3.1		
523211	End Outlet Diplexed 5...1220MHz, TV-FM 1-1dB with DC Pass	1/10/100
523310	Through Outlet 5...1220MHz, TV-FM 6-6dB with DC Pass	1/10/100
523311	Through Outlet 5...1220MHz, TV-FM 8-8dB with DC Pass	1/10/100
523312	Through Outlet 5...1220MHz, TV-FM 10-10dB with DC Pass	1/10/100
523313	Through Outlet 5...1220MHz, TV-FM 13-13dB with DC Pass	1/10/100
Terrestrial + satellite - 2 connectors		
4301	End Outlet Diplexed 5...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass + Face Plate (Blister T1)	8
4335	Bridged Outlet + Face Plate TV-R + Back Box for Surface Mountig Outlet (Blister T1)	8
5226	End Outlet Diplexed 5...862/950...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass	10/100
5227	Through Outlet Splitter 5...2150MHz,TV/FM-SAT 13-14dB with DC Pass (Floors 3...5)	10/100
5228	Through Outlet Diplexed 5...2150MHz,TV/FM-SAT 8.5-10dB with DC Pass (Floors 2)	10/100
5229	End Outlet Splitter 5...2150MHz,TV/FM-SAT 4-5dB with DC Pass (Floor 1)	10/100
5270	Through Outlet Bridged (Chassis Only)	10/100
5276	End Outlet Diplexed 5...2150MHz, TV/FM-SAT 0.6-1.5dB with DC Pass (without Clamps)	10/100
Terrestrial + satellite - 3 connectors		
524201	Through Outlet Triplexed 87...2400MHz, TV-FM-SAT 11-15-10dB with DC Pass	1/10/100
524501	End Outlet Triplexed 5..2400MHz, TV/FM-SAT1-SAT2 1-1.5-1dB with DC Pass	10/100
524603	End Outlet 5..2400MHz, TV-FM-SAT 4-4-1.5dB with DC pass	10/100
Multimedia		
524001	End Outlet Multimedia 5...1220MHz, TV-FM-DATA 8-7-3.6dB	10/100
524701	Through Outlet Multimedia 5..1220MHz, TV-FM-DATA 12-14.5-12dB	10/100
524801	Through Outlet Multimedia 5..1220MHz, TV-FM-DATA 19-20-17.5dB	10/100
5250	End Outlet Triplexed 5...2150MHz, TV-FM-SAT/DATA 5-3.8-6.5/4.5dB with DC Pass	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	10/100
FACE PLATES		
80x80mm		
4336	White Back Box for Surface Mounting Outlet (Blister T1)	○ 10
527402	Face Plate White for TV/R-SAT-DATA Outlet	○ 12
5275	Face Plate White for TV-R-SAT-DATA Outlet	○ 10
5440	Face Plate White for TV/R-SAT Outlet	○ 10
5441	Face Plate White for TV-R Outlet	○ 10
5442	Back Box White for Surface Mounting Outlet	○ 10
544302	Face Plate White for TV-R-SAT Outlet	○ 10
85x85mm		
544002	Face Plate White for TV/R-SAT Outlet	○ 10
544101	Face Plate White for TV-R Outlet	○ 10
544301	Face Plate White for TV-R-SAT Outlet	○ 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



▲ 5226



▲ 524603



▲ 527402



▲ 516110



▲ 5442



▲ 544101

Ref.	Description		
CONVENTIONAL COAXIAL CABLES			
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		
413911	Coaxial Cable SK2020plus LSFH UV Resistant B2ca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White		
413912	Coaxial Cable SK2020plus LSFH UV Resistant B2ca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White		
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		
414902	Coaxial Cable SK2015plus LSFH UV Resistant Cca Class A++ Triple Shielded TSH 18AtC Ø 1.05/4.6/6.9mm White		
CPR Eca: Copper / copper			
4138	Coaxial Cable SK2000plus PVC Eca Class A++ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.70mm White		
413801	Coaxial Cable SK2000plus PVC Eca Class A++ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.70mm White		
413802	Coaxial Cable SK2000plus PVC Eca Class A++ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.70mm White		
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		
414003	Coaxial Cable SK2003plus LSFH UV Resistant Dca Class A+ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm Black		
414004	Coaxial Cable SK2003plus LSFH UV Resistant Dca Class A+ Triple Shielded TSH 18AtC Ø 1.02/4.6/6.70mm Black		
CPR Eca: Copper / copper			
413501	Coaxial Cable SK125plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White		
413502	Coaxial Cable SK125plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White		
413503	Coaxial Cable SK125plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White		
413707	Coaxial Cable SK110plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.70mm Black		
CPR Eca: Copper / aluminium			
413601	Coaxial Cable SK100plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White		
413602	Coaxial Cable SK100plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White		
413603	Coaxial Cable SK100plus PVC Eca Class A+ Triple Shielded TSH 18VAtC Ø 1.02/4.6/6.7mm White		
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		
414802	Cable Coaxial SK6Fplus PVC Eca Class A+ Triple Shielded TSH 19VAtC.A Ø 1.00/4.6/6.8mm White		
414803	Cable Coaxial SK6Fplus PVC Eca Class A+ Triple Shielded TSH 19VAtC.A Ø 1.00/4.6/6.8mm White		
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		

TRIPLE SHIELDED CABLES

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



SK2020plus (4139xx) CLASS A**
B2ca

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.



SK2015plus (4149xx) CLASS A**
Cca



SK2000plus (4138xx) CLASS A**
Eca



SK2003plus (4140xx) CLASS A*
Dca



SK125plus (4135xx) CLASS A*
Eca



SK100plus (4136xx) CLASS A*
Eca



SK6Fplus (4148xx) CLASS A*
Eca



SK2005plus (414211) CLASS A
Cca



COVERAGE
UP TO
82%

Ref.	Description		
CONVENTIONAL COAXIAL CABLES			
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
214121	Coaxial Cable T-100plus LSFH Dca Class A 16RtC Ø 1.13/4.8/6.6mm White		100
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
214104	Coaxial Cable T-100plus PVC Eca Class A 16VRtC Ø 1.13/4.8/6.6mm White		250
4141	Twin Coaxial Cable SK2000/2plus PVC Eca Class A 18VAtC Ø 1.02/4.6/6.70mm White		100/3000
CPR Fca: Copper / copper			
215501	Coaxial Cable T-100plus PE Fca Class A 16PRtC Ø 1.13/4.8/6.6mm Black		100
215502	Coaxial Cable T-100plus PE Fca Class A 16PRtC Ø 1.13/4.8/6.6mm Black		250
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
212602	Coaxial Cable T-100 PVC Eca Class A 16VAtC Ø 1.13/4.8/6.6mm Black		250
212604	Coaxial Cable T-100 PVC Eca Class A 16VAtC Ø 1.13/4.8/6.6mm White [Box]		250
212623	Coaxial Cable T-100 LSFH Eca Class A 16AtC Ø 1.13/4.8/6.6mm Grey		500
2128	Coaxial Cable CXT PVC Eca Class A 19VAtC Ø 1.00/4.5/6.5mm White		100
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
212502	Coaxial Cable T-100 PE Fca Class A 16PAtC Ø 1.13/4.8/6.6mm Black		250



Ref.	Description		
CONVENTIONAL COAXIAL CABLES			
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
CPR Eca: Copper / copper			
2141	Coaxial Cable T-100 Plus PVC Eca Ø 1.13/4.8/6.6mm White		100
CPR Dca: Copper / copper clad aluminium			
213810	Coaxial Cable CXT LSFH Dca 18RtC Ø 1.00/4.8/6.6mm White		100
213812	Coaxial Cable CXT LSFH Dca 18RtC Ø 1.00/4.8/6.6mm White		250
213910	Coaxial Cable CXT LSFH Dca 18RtC Ø 1.00/4.8/6.6mm Black		100
CPR Eca: Copper / copper clad aluminium			
2138	Coaxial Cable CXT PVC Eca 18VRtC Ø 1.00/4.8/6.6mm White		100
213802	Coaxial Cable CXT PVC Eca 18VRtC Ø 1.00/4.8/6.6mm White		250
2139	Coaxial Cable CXT PVC Eca 18VRtC Ø 1.00/4.8/6.6mm Black		100
CPR Eca: Copper clad steel/aluminium			
2127	Coaxial Cable CXT-1 PVC Eca 17VAtC.A Ø 1.00/4.7/6.7mm White		100
212701	Coaxial Cable CXT-1 PVC Eca 17VAtC.A Ø 1.00/4.7/6.7mm Black		100
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: 15mm, Black (2 units)		1
200102	Velcro Flange for Cables, Width: 15mm, Black (10 units)		1

Ref.	Description		
MICRO-CABLES			

MINI

CPR Eca: Copper / tinned copper

4144	Mini Coaxial Cable SK0729plus PVC Eca Class A 32VAtC Ø 0.65/2.7/4.2mm White		100/500/6000
414401	Mini Coaxial Cable SK0729plus PVC Eca Class A 32VAtC Ø 0.65/2.7/4.2mm White (500m)		500/6000
4145	Mini Twin Coaxial Cable SK0729plus PVC Eca Class A 32VAtC Ø 2x0.65/2.7/4.2mm White		100/500/6000

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
210603	Coaxial Cable CXT-5 PVC Eca Class B 24VAtC Ø 0.8/3.5/5.0mm White		100
4146	Micro Coaxial Cable SK0837plus PVC Eca Class A 24VAtC Ø 0.8/3.4/5.0mm White		100/500/6000

Ref.	Description		
DIRECT-BURIED CABLES			

CPR DCA: COPPER / COPPER

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
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▲ 214110

CLASS B
Dca



▲ 213810

CLASS B
Dca



▲ 213812

CLASS B
Dca



▲ 2127

CLASS B
Eca



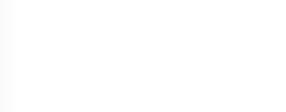
▲ 210603

CLASS B
Eca



▲ 214001

CLASS A
Dca



▲ 214911

CLASS A
Dca



▲ 200101



▲ 200102



▼ 2120xx
(Cable drum not included)

References	413910 413911 413912	414901 414902	4138 413801 413802	414002 414003 414004	414801 414802 414803	413501 413502 413503	413707	413601 413602 413603
Type	SK2020plus A++	SK2015plus A++	SK2000plus A++	SK2003plus A+	SK6Fplus A+	SK125plus A+	SK110plus A+	SK100plus A+
Euroclass	B2ca	Cca	Eca	Dca	Eca	Eca	Eca	Eca
Inner Conductor	Ø mm Material Res. Max. Ohm/Km	1.05 Cu 22	1.05 Cu 22	1.02 Cu 22	1.02 CCS 110	1.00 Cu 22	1.00 Cu 22	1.02 Cu 22
Dielectric	Ø mm Material	4.7 PEE	4.7 PEE	4.6 PEE	4.6 PEE	4.6 PEE	4.6 PEE	4.6 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
2 nd shielding foil	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
Anti-migrating Film	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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	6.7 PVC	6.7 LSFH UV Resistant	6.8 PVC	6.7 PVC	6.7 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
Max. (5-30MHz)								
Velocity ratio	%	84	84	84	84	82	84	82
Attenuations (dB/m)								
Frequency (MHz)	5	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	47	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	54	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	90	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	200	0.09	0.09	0.09	0.10	0.09	0.09	0.09
	500	0.14	0.14	0.14	0.15	0.14	0.14	0.14
	698	0.17	0.17	0.17	0.17	0.16	0.17	0.16
	800	0.18	0.18	0.18	0.19	0.18	0.18	0.18
	862	0.19	0.19	0.19	0.20	0.19	0.19	0.19
	950	0.20	0.20	0.20	0.20	0.21	0.20	0.20
	1000	0.21	0.21	0.21	0.22	0.21	0.21	0.21
	1220	0.23	0.23	0.22	0.23	0.22	0.22	0.22
	1350	0.25	0.25	0.25	0.25	0.25	0.24	0.25
	1750	0.28	0.28	0.28	0.29	0.28	0.28	0.28
	2050	0.30	0.30	0.30	0.31	0.31	0.30	0.31
	2150	0.31	0.31	0.31	0.32	0.32	0.30	0.32
	2200	0.32	0.32	0.32	0.33	0.32	0.31	0.32
	3000	0.36	0.36	0.36	0.40	0.36	0.36	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 Res. Max. Ohm/Km	1.00 Cu 22	1.63 Cu 9	1.20 Cu 16	1.13 Cu 20	1.13 Cu 20	1.00 Cu 23	
Dielectric	Ø mm Material	4.6 PEE	7.2 PEE	5.0 PEE	4.8 PEE	4.7 PEE	4.5 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	
2 nd shielding foil	Nc x Ns x Ø Coverage %	16x8x0.1 60	16x8x0.1 77	16x8x0.1 76	16x8x0.1 73	16x8x0.1 77	16x8x0.1 79	
Anti-migrating Film	Yes	No	No	No	No	No	No	
Petro-Jelly	No	No	Yes	Yes	No	No	Yes	
Outer sheath	Ø mm Material	6.7 LSFH UV Resistant	10.1 LSFH UV Resistant	6.9 LSFH	6.6 LSFH	6.6 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	75.0	
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	
Max. (5-30MHz)								
Velocity ratio	%	84	84	82	82	85	82	
Attenuations (dB/m)								
Frequency (MHz)	5	0.02	0.01	0.01	0.01	0.01	0.01	0.01
	47	0.05	0.03	0.04	0.03	0.03	0.05	0.02
	54	0.05	0.03	0.04	0.04	0.04	0.05	0.02
	90	0.06	0.04	0.05	0.05	0.05	0.06	0.02
	200	0.09	0.06	0.07	0.08	0.08	0.09	0.03
	500	0.14	0.09	0.12	0.13	0.13	0.14	0.06
	698	0.17	0.10	0.14	0.15	0.15	0.17	0.07
	800	0.18	0.11	0.15	0.16	0.16	0.19	0.07
	862	0.19	0.12	0.16	0.16	0.16	0.19	0.08
	950	0.20	0.12	0.17	0.17	0.17	0.20	0.08
	1000	0.21	0.13	0.17	0.19	0.19	0.21	0.09
	1220	0.23	0.14	0.19	0.20	0.20	0.23	0.09
	1350	0.25	0.15	0.20	0.22	0.22	0.25	0.10
	1750	0.28	0.18	0.23	0.25	0.25	0.29	0.12
	2050	0.30	0.19	0.25	0.26	0.26	0.32	0.13
	2150	0.31	0.20	0.26	0.27	0.27	0.34	0.14
	2200	0.32	0.20	0.27	0.28	0.28	0.35	0.14
	3000	0.36	0.24	0.30	0.33	0.33	0.39	0.16

References	214102 214104	2126 212602 212604	212623	4141	4146	4145	4144 414401
Type	T-100plus A	T-100 A	T-100 A	SK2000plus/2 A	SK0837plus A	SK0729plus Twin A	SK0729plus A
Euroclass	Eca	Eca	Eca	Eca	Eca	Eca	Eca
Inner Conductor	Ø mm Material	1.13 Cu	1.13 Cu	1.02 Cu	0.80 Cu	0.65 Cu	0.65 Cu
Dielectric	Res. Max. Ohm/Km	20	20	20	22	35	52
Over Lapped Foil	Ø mm Material	4.8 PEE	4.7 PEE	4.7 PEE	3.4 PEE	2.7 PEE	2.7 PEE
Braid	Material	C	A	B	B	B	B
	Res. Max. Ohm/Km	12	27	27	12	20	19
	Nc x Ns x Ø Coverage %	16x8x0.1 73	16x8x0.1 77	16x8x0.1 77	24x7x0.1 82	16x7x0.1 74	16x7x0.1 85
2 nd shielding foil	No	No	No	No	No	No	No
Anti-migrating Film	Yes	No	No	No	Yes	No	Yes
Petro-Jelly	No	No	No	No	No	No	No
Outer sheath	Ø mm Material	6.6 PVC	6.6 PVC	6.6 LSFH	6.7 PVC	5.0 PVC	4.3 PVC
Spark Test	VAC	3000	3000	3000	3000	3000	3000
Minimum bending radius	mm	33.0	33.0	33.0	33.5	25.0	21.5
Shielding Min. @1GHz	dB	85	85	85	85	85	85
Capacitance	pF/m	55	52	52	54	53	53
Impedance	Ohm	75	75	75	75	75	75
Transfer impedance Max. (5-30MHz)	mOhm/m	5.0	5.0	5.0	5.0	5.0	5.0
Velocity ratio	%	82	85	85	84	84	85
Attenuations (dB/m)							
	5	0.01	0.01	0.01	0.02	0.04	0.05
	47	0.03	0.03	0.03	0.05	0.06	0.08
	54	0.04	0.04	0.04	0.05	0.07	0.10
	90	0.05	0.05	0.05	0.06	0.08	0.11
	200	0.08	0.08	0.08	0.09	0.12	0.15
	500	0.13	0.13	0.13	0.14	0.19	0.24
	698	0.15	0.15	0.15	0.17	0.22	0.27
	800	0.16	0.16	0.16	0.18	0.24	0.32
	862	0.16	0.16	0.16	0.19	0.25	0.33
	950	0.17	0.17	0.17	0.20	0.26	0.34
	1000	0.19	0.19	0.19	0.21	0.28	0.36
	1220	0.20	0.20	0.20	0.22	0.29	0.39
	1350	0.22	0.22	0.22	0.25	0.32	0.43
	1750	0.25	0.25	0.25	0.28	0.37	0.49
	2050	0.26	0.26	0.26	0.30	0.41	0.54
	2150	0.27	0.27	0.27	0.31	0.42	0.55
	2200	0.28	0.28	0.28	0.32	0.43	0.56
	3000	0.33	0.33	0.33	0.36	0.49	0.66

References	210601	2128 212801	215501 215502	212501 212502	2140
Type	CXT-5 A	CXT A	T-100plus A	T-100 A	1/2" A
Euroclass	Eca	Eca	Fca	Fca	Fca
Inner Conductor	Ø mm Material	0.80 Cu	1.00 Cu	1.13 Cu	1.13 Cu
Dielectric	Res. Max. Ohm/Km	37	23	20	20
Over Lapped Foil	Ø mm Material	3.4 PEE	4.5 PEE	4.8 PEE	4.7 PEE
Braid	Material	A	B	C	C
	Res. Max. Ohm/Km	35	31	13	27
	Nc x Ns x Ø Coverage %	16x6x0.1 75	16x8x0.1 79	16x8x0.1 73	16x8x0.1 77
2 nd shielding foil	No	No	No	No	No
Anti-migrating Film	No	No	Yes	No	No
Petro-Jelly	No	No	No	No	Yes
Outer sheath	Ø mm Material	5.0 PVC	6.5 PVC	6.6 PE	6.6 PE
Spark Test	VAC	3000	3000	3000	3000
Minimum bending radius	mm	25.0	32.5	33.0	33.0
Shielding Min. @1GHz	dB	85	85	85	85
Capacitance	pF/m	53	54	55	52
Impedance	Ohm	75	75	75	75
Transfer impedance Max. (5-30MHz)	mOhm/m	5.0	5.0	5.0	5.0
Velocity ratio	%	82	82	82	85
Attenuations (dB/m)					
	5	0.02	0.01	0.01	0.01
	47	0.06	0.05	0.03	0.02
	54	0.06	0.05	0.04	0.02
	90	0.07	0.06	0.05	0.02
	200	0.11	0.09	0.08	0.03
	500	0.18	0.14	0.13	0.06
	698	0.21	0.17	0.15	0.07
	800	0.23	0.19	0.16	0.07
	862	0.24	0.19	0.16	0.08
	950	0.24	0.20	0.17	0.08
	1000	0.25	0.21	0.19	0.09
	1220	0.28	0.23	0.20	0.09
	1350	0.30	0.25	0.22	0.10
	1750	0.34	0.29	0.25	0.12
	2050	0.37	0.32	0.26	0.13
	2150	0.38	0.34	0.27	0.14
	2200	0.39	0.35	0.28	0.14
	3000	0.45	0.39	0.33	0.16

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 Chloride
AI	Aluminium
Cu	Copper
CCA	Copper Clad Aluminium
CCS	Copper Clad Steel
CuSn	Tinned Copper
TCCAM	Tinned Copper Clad Aluminium Magnesium

References	214110	213810 213812 213910	2141	210603	2127 212701 212702 212703	2138 213802 2139
Type	T-100plus	CXT	T-100plus	CXT-5	CXT-1	CXT
Euroclass	B	B	B	B	B	B
Inner Conductor	Ø mm	Dca	Dca	Eca	Eca	Eca
	Material	Cu	Cu	Cu	CCS	Cu
Dielectric	Res. Max. Ohm/Km	20	23	20	37	120
	Ø mm	4.8	4.8	4.8	3.4	23
Over Lapped Foil	Material	PEE	PEE	PEE	PEE	PEE
	Material	C	C	C	A	C
Braid	Res. Max. Ohm/Km	20	35	20	35	30
	Nc x Ns x Ø	16x4x0.1	16x3x0.1	16x4x0.1	16x8x0.1	16x3x0.1
2 nd shielding foil	Coverage %	38	35	38	55	77
Anti-migrating Film		No	No	No	No	No
Petro-Jelly		Yes	No	Yes	No	No
Outer sheath	Ø mm	6.6	6.6	6.6	5.0	6.7
	Material	LSFH	LSFH	PVC	PVC	PVC
Spark Test	VAC	3000	3000	3000	3000	3000
Minimum bending radius	mm	33.0	33.0	33.0	25.0	33.0
Shielding Min. @1GHz	dB	75	75	75	75	75
Capacitance	pF/m	55	55	55	53	54
Impedance	Ohm	75	75	75	75	75
Transfer impedance	mOhm/m	15.0	15.0	15.0	1515.0	15.0
Max. (5-30MHz)						15.0
Velocity ratio	%	82	82	82	82	82
Attenuations (dB/m)						
Frequency (MHz)	5	0.01	0.01	0.01	0.02	0.03
	47	0.03	0.05	0.03	0.06	0.05
	54	0.04	0.05	0.04	0.06	0.05
	90	0.05	0.06	0.05	0.07	0.06
	200	0.08	0.09	0.08	0.11	0.09
	500	0.13	0.14	0.13	0.18	0.15
	698	0.15	0.16	0.15	0.22	0.16
	800	0.16	0.18	0.16	0.23	0.17
	862	0.16	0.19	0.16	0.24	0.19
	950	0.17	0.20	0.17	0.25	0.20
	1000	0.19	0.20	0.19	0.25	0.23
	1220	0.20	0.22	0.20	0.29	0.25
	1350	0.22	0.24	0.22	0.30	0.27
	1750	0.25	0.28	0.25	0.34	0.32
	2050	0.26	0.30	0.26	0.37	0.35
	2150	0.27	0.31	0.27	0.38	0.37
	2200	0.28	0.31	0.28	0.40	0.37
	3000	0.33	0.36	0.33	0.45	0.39
Sheath		Enviroment		Over Lapped Foil composition Environment		
PVC	Indoor	A Aluminium+Polyester+Aluminium		PE Polyethylene	CCA Copper Clad Aluminium	
PE	Outdoor	B Aluminium+Polyester		PEE Foam Polyethylene	CCS Copper Clad Steel	
LSFH	Special (Low Smoke Free of Halogen)	C Copper+Polyester		PVC Polyvinyle Chlorhidre	CuSn Tinned Copper	
		D Aluminium+Polypropylene+Aluminium		AI Aluminium	TCCAM Tinned Copper Clad Aluminium Magnesium	
		Cu Copper				

Ref.	Description	
EXTENSION CORDS		
WITH TRIPLE SHIELDING CABLE		
3851	Coaxial Cable Lead "F" Compression 1.5m White (Bag B0)	<input type="radio"/> 30
385101	Coaxial Cable Lead "F" Compression 3m White (Bag B0)	<input type="radio"/> 20
385102	Coaxial Cable Lead "F" Compression 5m White (Bag B0)	<input type="radio"/> 15
3852	Coaxial Cable Lead "IEC" Male-Female Compression 1.5m White (Bag B0)	<input type="radio"/> 30
385201	Coaxial Cable Lead "IEC" Male-Female Compression 3m White (Bag B0)	<input type="radio"/> 20
385202	Coaxial Cable Lead "IEC" Male-Female Compression 5m White (Bag B0)	<input type="radio"/> 15
3853	Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 1.5m White (Bag B0)	<input type="radio"/> 30
385301	Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 3m White (Bag B0)	<input type="radio"/> 20
385302	Coaxial Cable Lead "F" Compression - "Quick F" "PRO EasyF" 5m White (Bag B0)	<input type="radio"/> 15
3854	Coaxial Cable Lead "F" - "IEC" Female Compression 1.5m White (Bag B0)	<input type="radio"/> 30
385401	Coaxial Cable Lead "F" - "IEC" Female Compression 3m White (Bag B0)	<input type="radio"/> 20
385402	Coaxial Cable Lead "F" - "IEC" Female Compression 5m White (Bag B0)	<input type="radio"/> 15
385501	Coaxial Cable Lead "F" Compression - "IEC" Female "PRO EasyF" 3m White (Bag B0)	<input type="radio"/> 20
3856	Coaxial Cable Lead "F" - "IEC" Male Compression 1.5m White (Bag B0)	<input type="radio"/> 30
385601	Coaxial Cable Lead "F" - "IEC" Male Compression 3m White (Bag B0)	<input type="radio"/> 20
385602	Coaxial Cable Lead "F" - "IEC" Male Compression 5m White (Bag B0)	<input type="radio"/> 15
385701	Coaxial Cable Lead "F" Compression - "IEC" Male "PRO EasyF" 3m White (Bag B0)	<input type="radio"/> 20
3858	Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 1.5m White (Bag B0)	<input type="radio"/> 30
385801	Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 3m White (Bag B0)	<input type="radio"/> 20
385802	Coaxial Cable Lead "IEC" Male Compression - "IEC" Female "PRO EasyF" 5m White (Bag B0)	<input type="radio"/> 15
435501	Coaxial Cable PVC Ø 6.6mm White 20m (Reel)	<input type="radio"/> 1/20
4371	Coaxial Cable PVC Ø 6.6mm White 10m (Blister T2)	<input type="radio"/> 10
WITH DOUBLE SHIELDING CABLE		
431001	Coaxial Cable Lead "IEC" Ø 9.5mm Elbowed Shielded Male-Female 1,5m Grey (Blister T1)	<input checked="" type="radio"/> 8
431002	Coaxial Cable Lead "IEC" Ø 9.5mm Elbowed Shielded Male-Female 2,5m Grey (Blister T1)	<input checked="" type="radio"/> 8
WITH SIMPLE SHIELDING CABLE		
4311	Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 2.5m White (Blister T1)	<input type="radio"/> 8
4312	Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 1.5m Black (Blister T1)	<input checked="" type="radio"/> 8
4314	Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 2.5m Black (Blister T1)	<input checked="" type="radio"/> 8
4389	Coaxial Cable Lead "IEC" Ø 9.5mm Male-Female 1.5m White (Blister T1)	<input type="radio"/> 8



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)	10
437501	"PRO EasyF" "IEC" Ø 9.5mm Connector Female Elbowed Class A+ Shielded (Bag B1)	10
437601	Set of "PRO EasyF" "IEC" Ø 9.5mm Connectors Male & Female Elbowed Class A+ Shielded (Bag B1)	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)	10
4305	"IEC" Ø 9.5mm Connector Male Straight (Bag B1)	10
4316	Set of "IEC" Ø 9.5mm Connectors Male & Female Straight (Bag B1)	10
437410	"IEC" Ø 9.5mm Connector Male Elbowed Shielded (Bag B1)	10
437510	"IEC" Ø 9.5mm Connector Female Elbowed Shielded (Bag B1)	10
437610	Set of "IEC" Ø 9.5mm Connectors Male & Female Elbowed Shielded (Bag B1)	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	1/25/375
3819	"IEC" Connector Female Straight Compression for SK2000/110/100/6FPLUS Cables, Plastic box	1/25/375
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	100/1000
410901	"F" Connector Compression Elbowed for T-100 Cable	25
"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	500/1000
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	30/720
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)	10
4317	2 "F" Connectors Threaded with O-ring for T-100 Cable (Bag B1)	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+ CONECTORS

THE EXCEPTIONAL SCREENING FOR A COAXIAL NETWORK



▲ 413210 ▲ 413310 ▲ 413410



▲ 4130



▲ 4120

▲ 4122



▲ 3802

▲ 4104



▲ 3818

▲ 410901



▲ 417101

▲ 4127



▲ 216401

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	
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)	10	
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	
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	
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	
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



▲ 2163



▲ 216301



▲ 2145



▲ 2162



▲ 216001



Ref.	Description	
SET TOP BOXES		
SATELLITE TV		
717402	Satellite Digital Set-top Box FTA DVB-S/S2 [S/PDIF + SCR1/2]	1/10
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
585910	Analogue Modulator Octo PAL B/G (VHF/UHF) Wall mount (USB-microUSB OTG cable included)	1
585980	Analogue Modulator Octo NTSC M-N (CATV) Wall mount (USB-microUSB OTG cable included)	1
A/V AND IR SENDERS		
WIRELESS A/V AND IR SENDERS		
716701	Digidom Transmitter + Receiver HDMI 5GHz	1/10
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
HDMI DISTRIBUTION		
CABLE LEADS		
494501	HDMI Cable Male-Male 1.5m Black (Blister T1)	8
494502	HDMI Cable Male-Male 3m Black (Blister T2)	10
494503	HDMI Cable Male-Male 5m Black (Blister T2)	10
494505	HDMI Cable Male-Male 1.5m Black (Bag)	100



▲ 585301



▲ 5858



▲ 716701



▲ 494501



▲ 494502

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 + DVB-T/T2	1
593303	H30FLEX: DVB-S/S2 + DVB-C	1
593304	H30FLEX: DVB-S/S2 + DVB-T/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 + DVB-T/T2 [Smartphone Armband included]	1
593503	H30Evolution: DVB-S/S2 + DVB-C [Smartphone Armband included]	1
593504	H30Evolution: DVB-S/S2 + DVB-T/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



**ALL THE FUNCTIONS YOU NEED
NOW IN YOUR SMARTDEVICE**

H30Evolution is a field strength meter that combines the best features of a portable and compact equipment - distinctive of the H30 series - with revolutionary functionalities. Thanks to the innovative multiscreen system based on Wi-Fi/Bluetooth, the meter may be remotely displayed and controlled using any Android or iOS device or a PC, thus providing the flexibility and convenience of a wireless system.

h30evolution.televes.com

en.televes.com/h30evolution

H30FLEX

All the functions you need
in your hand



h30flex.televes.com

en.televes.com/h30flex



**DOCSIS
3.1**



▲ 593902

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
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
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
593212	Option Advanced API	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.com

 en.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

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



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

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 AND ACCESSORIES		
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	Stripper for Multi-fiber Cables	1
2327	Splicing Protection Sleeve 60mm for FO fusion	200
232701	Splicing Protection Sleeve 43mm for FO fusion	200
232710	F.O. Cleaning Kit: 50 isopropyl alcohol Wipes + 25 Sticks	1
2328	Fiber Mechanical Splices	10
2329	Connectors of Fiber Optics "SC/APC" (with mounting tool)	10
232910	Cleaner for Fiber Optic Connectors	1



▲ 4008



▲ 2340



▲ 2341



▲ 232105



▲ 2322



▲ 232301



▲ 232310



▲ 2324



▲ 2325

optical instruments.
Class 1M laser product.

Televes **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	●	x m
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	●	x m
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	●	x m
231715	FK48 Multi-fiber Cable 48 Single-mode Fibers Indoor/Outdoor UV-resistant LSFH Dca	●	2000
4 FIBERS			
Tight buffer 250µm			
231911	FK4 Fiber Cable 4 single-mode Fibers Indoor LSFH Fca	● ●	300
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
231902	FK2 Fiber Cable 2 Single-mode Fibers Indoor LSFH Dca	● ●	750
231905	FK2 Fiber Cable 2 Single-mode Fibers Indoor LSFH Dca 3Km	● ●	3000
232001	FK2 Fiber Cable 2 Single-mode Fibers Outdoor LSFH UV Resistant Dca	● ●	200
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 3Km	● ●	3000
PRE-TERMINATED PATCH CORDS			
With SC/APC connectors			
232602	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 2m. Convertible to Pigtail (900µm)	○	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)	○	10
232623	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 0.5m (Bag B4)	○	20
232626	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 1m (Bag B4)	○	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
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
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 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			
232622	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-SC/UPC" 0.2m	●	5
232624	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-FC/UPC" 2m (Bag B4)	●	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

F.O. CABLES

Fiber's tight buffer Ø 250µm



▲ 48 Fibers (231714)



▲ 24 Fibers (231614)



▲ 16 Fibers (231414)



▲ 4 Fibers - Indoor (231911)

Fiber's tight buffer Ø 900µm



▲ 2 Fibers - Indoor (231901 / 231902)



▲ 2 Fibers - Outdoor (232001 / 232002)



▲ 232652

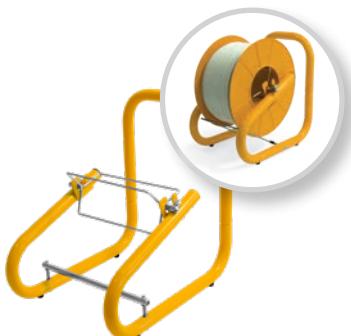


▲ 230622



▲ 232625

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	20/100	★
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	
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: 15mm, Black [2 units]	1	●
200102	Velcro Flange for Cables, Width: 15mm, Black [10 units]	1	●



▼ 2120xx
(Cable drum not included)



▲ 200101



▲ 200102



▲ 233203



▲ 233210



▲ 233211



▲ 233212



▲ 233213

Ref.	Description	
OPTICAL DISTRIBUTION		
SPLITTERS		
235701	Optical Splitter 1310/1550nm "FC/UPC" 2W 4dB	1
235801	Optical Splitter 1310/1550nm "FC/UPC" 3W 5.5dB	1
235901	Optical Splitter 1310/1550nm "FC/UPC" 4W 7dB	1
236001	Optical Splitter 1310/1550nm "FC/UPC" 8W 10.1dB	1
SPLITTERS (PLC)		
233750	Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 2W 4dB	1
233850	Optical Splitter, PLC Component, 1260...1650nm "SC/APC" 64W 20dB	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		
2364	Optical Attenuator 1310/1550nm "FC/UPC" 5dB	1
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
2365	Optical Attenuator 1310/1550nm "FC/UPC" 10dB	1
2366	Optical Attenuator 1310/1550nm "FC/UPC" 15dB	1
MULTIPLEXERS (WDM)		
234740	WDM Module Optical Multiplexer/Demultiplexer 1i/2o "SC/APC": GPON+RF: Data (1310/1490nm) - TV (1550nm)	1
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 Fca 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 Fca 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 Fca 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 Fca 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 Fca 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 Fca 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
233231	F.O. Outlet: Keystone Module + Adapter "SC / APC" Female with Internal Shutter, Plastic Box	20
233232	F.O. Rosette + Simplex Adaptern "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	1
233241	F.O. Outlet Kit:Keystone Module + Adapter "SC / APC" Female with Internal Shutter + Patch Cord Single-mode Pre-terminated LSFH Dca 15m	1



▲ 234650



▲ 2364



▲ 234740



▲ 23152x / 23153x



▲ 231540



▲ 233230



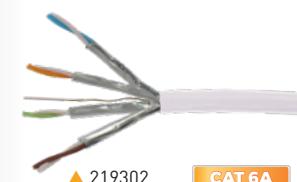
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Ref.	Description		
CABLES AND PATCH-CORDS			
CATEGORY 7			
Copper (Cu)			
219101	Data Cable DK7000 S/FTP Cat 7 Cca Cu 23AWG LSFH Ø 7,4mm White	●	305
CATEGORY 6A			
Copper (Cu)			
219302	Data Cable DK6000A U/FTP Cat 6A Cca Cu 23AWG LSFH Ø 6,9mm White	●	500
219312	Data Cable DK6000A U/UTP Cat 6A Dca 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 Violet	●	305
Copper Clad Aluminium (CCA)			
219901	Data Cable DK6000 U/UTP Cat 6 Fca CCA 23AWG PVC Ø 6,2mm White	●	305
219910	DK6000 Data Cable U/UTP Cat 6 Fca CCA 23AWG LSFH Ø 6,2mm Violet	●	305
CATEGORY 5E			
Copper (Cu)			
219502	Data Cable DK5000E F/UTP Cat 5E Eca Cu 24AWG LSFH Ø 6,3mm Grey	●	305
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
PATCH-CORDS			
Category 6A			
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
209112	Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 1m Grey	●	10
209113	Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 2m Grey	●	10
209114	Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 3m Grey	●	10
209115	Patch-cord RJ45 S/FTP Cat 6A Cu LSFH 5m Grey	●	10
Category 6			
209001	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 0,5m White (Bag B0)	●	1
209002	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 1m White (Bag B0)	●	1
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
209011	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 0,5m White	●	10
209012	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 1m White	●	10
209013	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 2m White	●	10
209014	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 3m White	●	10
209015	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 5m White	●	10
209016	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 7m White	●	10
209017	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 10m White	●	10
209018	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 20m White	●	10
209301	Patch-cord RJ45 U/UTP Cat 6 Cu LSFH 0,3m Violet	●	1
ACCESSORIES			
200101	Velcro Tape for Cables 8m, Width: 15mm, Black (2 units)	●	1
200102	Velcro Flange for Cables, Width: 15mm, Black (10 units)	●	1



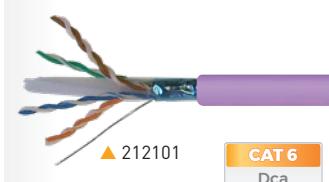
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CAT 7
Cca



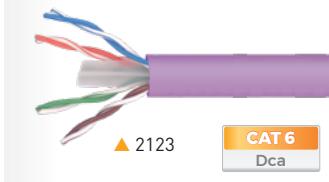
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CAT 6A
Cca



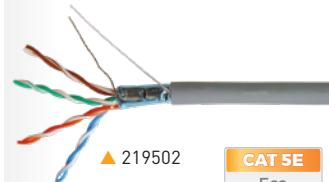
▲ 212101

CAT 6
Dca



▲ 2123

CAT 6
Dca



▲ 219502

CAT 5E
Eca



▲ 209105



▲ 209018



▲ 209301

Ref.	Description		
CONNECTORS			
CATEGORY 6A			
209921	Data Connector RJ45 UTP Cat 6A Female. Wing-nut assembly type, Plastic Box	10	
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	1/25	★
CATEGORY 6			
209901	Data Connector RJ45 UTP Cat 6 Female 90°/180°. Assembly with/without Tool, 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	★
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	●
KITS			
209401	Kit – Carrying case which includes: 50xRJ45 UTP Cat 6 Male connectors [ref. 209902], 15xRJ45 UTP Cat 6 Female connectors [ref. 209901] and 1xCrimping tool [ref. 209801]	1	
TOOLS			
209801	Crimping Tool for RJ45/RJ11/RJ12 and 4P4C/4P2C Male Connectors	1	
209811	Termination Tool for RJ45 Cat 6 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	



▲ 209923



▲ 209961



▲ 209962



▲ 209401

DATA DISTRIBUTION

PATCH BOXES	
209910	Data Terminal Box/Rosette with 1 Cat 6 Female RJ45 Connector
546501	Passive Multiplexer "RJ45" Cat 6 1 Male - 9 Females, with 0.3m LSFH Lead
768110	Ethernet Switch L2, Unmanaged: 5x 10/100/1000 Mbps
768111	Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps
OUTLETS/ROSETTES	
209910	Data Terminal Box/Rosette with 1 Cat 6 Female RJ45 Connector



▲ 209910



▲ 546501



▲ 209811



Comparative video of a connectionization with and without a mounting tool.
A00614

References	219101	219302	219312	219322	212101	2123 212302 212305	212310	212201	219901	219910	219502	219602	219701
Type	S/FTP	U/FTP	U/UTP	F/UTP	F/UTP	U/UTP	U/UTP	U/UTP	U/UTP	U/UTP	F/UTP	U/UTP	U/UTP
Category	7	6A	6A	6A	6	6	6	6	6	6	5E	5E	5E
Euroclass	Cca	Cca	Dca	Dca	Dca	Dca	Dca	Fca	Fca	Fca	Eca	Eca	Fca
Conductor	Ø mm	0.55	0.55	0.55	0.55	0.55	0.51	0.55	0.59	0.59	0.51	0.50	0.50
	Material	Cu	Cu	Cu	Cu	Cu	Cu	Cu	CCA	CCA	Cu	Cu	Electrolytic Cu
Conductor Type	AWG	23	23	23	23	23	24	23	23	23	24	24	24
Conductor isolation	Ø mm	1.30	1.30	1.10	1.14	1.14	1.02	0.92	0.95	0.95	0.95	0.95	0.95
	Material	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Filler	Crucifix	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Shielding foil	Material	A	A	No	A	A	No	No	No	No	A	No	No
Outer shielding braid	Material	CuSn	No	No	No	No	No	No	No	No	No	No	No
Ground cable	Ø mm	No	0.4	No	0.4	No	No	No	No	No	0.4	No	No
	Material	No	CuSn	No	CuSn	No	No	No	No	No	CSS	No	No
Outer sheath	Ø mm	7.40	6.90	7.30	7.30	7.20	6.20	6.00	6.20	6.20	6.30	5.50	5.50
	Material	LSFH	LSFH	LSFH	LSFH	LSFH	LSFH	PE	PVC	LSFH	LSFH	LSFH	PE
	Thickness [mm]	0.70	0.70	0.50	0.50	0.60	0.50	0.52	0.55	0.50	0.50	0.67	0.60
Rip cord	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Spark test	VAC	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
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	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
Nominal speed	%	79	79	72	72	72	72	72	72	72	69	69	69

Over Lapped Foil composition Environment

A Aluminium + Polyester

Other abbreviations

Cu Copper CuSn Tinned copper

CCS Copper Clad Steel

Ref.	Description	
19" RACKS		
RACKS		
600x400mm		
533117	19" Rack Cabinet 17RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x870x400mm. Wall/Ground Mount (2x1RU cable panels included)	1
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
533113	19" Rack Cabinet 13RU (+2RU extra). Glazed Door and Accessible from the side. Dimensions: 600x682x450mm. Wall/Ground Mount	1
600x600mm		
533118	19" Rack Cabinet 18RU. Glazed Door and Accessible from the side. Dimensions: 600x942x600mm. Ground Mount	1
533122	19" Rack Cabinet 22RU. Glazed Door and Accessible from the side. Dimensions: 600x1120x600mm. Ground Mount	1
533127	19" Rack Cabinet 27RU. Glazed Door and Accessible from the side. Dimensions: 600x1342x600mm. Ground Mount	1
533132	19" Rack Cabinet 32RU. Glazed Door and Accessible from the side. Dimensions: 600x1564x600mm. Ground Mount	1
533137	19" Rack Cabinet 37RU. Glazed Door and Accessible from the side. Dimensions: 600x1787x600mm. Ground Mount	1
600x800mm		
533134	19" Rack Cabinet 32RU. Glazed Door and Accessible from the side. Dimensions: 600x1570x800mm. Ground Mount	1
533139	19" Rack Cabinet 37RU. Glazed Door and Accessible from the side. Dimensions: 600x1790x800mm. Ground Mount	1
533142	19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 600x2010x800mm. Ground Mount	1
800x800mm		
533144	19" Rack Cabinet 42RU. Glazed Door and Accessible from the side. Dimensions: 800x2010x800mm. Ground Mount	1



▲ 533113



▲ 533122



▲ 533144



▲ 533105



▲ 533107



▲ 533112



In case of references that are supplied disassembled

Ref.	Description	
19" RACKS		
PANELS		
533001	Power Distribution Panel 8 Schuko Outlets 16A for Rack 19" 1RU, Black	1
533150	Panel for Rack 19" 1RU, Up to 24 "F" connectors	1
533151	Panel for Rack 19" 1RU, Up to 24 "RJ45" connectors	1
533153	Panel for Rack 19" 1RU, Up to 2x7 "F" connectors (suitable for T.OX modules)	1
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
533161	Blank Panel for Rack 19" 1RU	1
533162	Blank Panel for Rack 19" 2RU	1
533163	Blank Panel for Rack 19" 3RU	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
VENTILATION		
533005	Thermostat with NO Contact 0...60°C for Rack 19"	1
533174	Individual Top Fan for Rack 19", 195m3/h	1
533175	2 Fan Top Tray for Rack 19" and 600mm depth, 390m3/h	1
533176	4 Fan Top Tray for Rack 19" and 800mm depth, 780m3/h	1
ACCESSORIES		
533170	Screw Kit for Rack 19": Screw with washer and nut [50 units]	1
533171	Kit for Rack 19": 4 Wheels and Screws	1
533172	Rubber cap for splice box - "SC" Simplex or "LC" Duplex	24
TRAYS AND SPLICE BOXES		
533152	Splice Box for Rack 19" 1RU, Up to 24 "SC" Simplex or "LC" Duplex connectors (Depth 236mm)	1
533157	Splice Box for Rack 19" 2RU, Up to 48 "SC" Simplex or "LC" Duplex connectors (Depth 236mm)	1
533182	Splice Box for Rack 19" 1RU, Up to 24 "SC" Duplex or "LC" Quad connectors (Depth 236mm)	1
533185	Tray for Rack 19" 2RU (Depth 315mm)	1



▲ 533001



▲ 533158



▲ 533159



▲ 533160



▲ 533182



▲ 533005



▲ 533174



▲ 533175



▲ 533176



▲ 533157

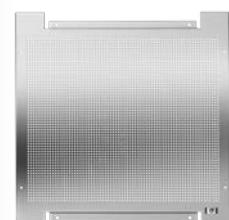


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Ref.	Description	
HEADEND CABINETS		
CABINETS		
5750	Cabinet for Headend Amplifier 440x440x140mm	1
5893	Indoor Lockable Cabinet with Mounting Plate, Dimensions: 300x400x200mm	1
589301	Indoor Lockable Cabinet with Mounting Plate, Dimensions: 400x400x200mm	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
589401	Perforated Mounting Plate 400x400mm, Distance from the wall 19mm	1
589402	Perforated Mounting Plate 400x600mm, Distance from the wall 19mm	1
Ref.	Description	
ENCLOSURES		
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
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
546601	Closed Main Terminal Enclosure for Data/Coaxial Distribution (Up to 48 connections)	1
546610	Open Main Terminal Panel for Data/Coaxial 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
ACCESSORIES		
233013	F.O. Organizer for enclosure REF.233003	1
546620	Coaxial Adapter Support "F" Female - "F" Female, for Panels (Refs. 546602 and 546610)	1



▲ 5893



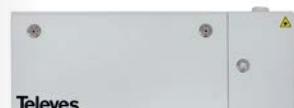
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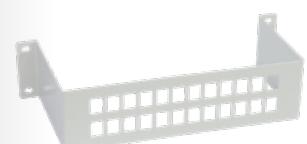
▲ 231302



▲ 231310



▲ 233003



▲ 546701



▲ 494501



▲ 546702

HDMI DISTRIBUTION

Ref.	Description	
CABLES		
494501 HDMI Cable Male-Male 1.5m Black (Blister T1)		
494502	HDMI Cable Male-Male 3m Black (Blister T2)	● 10
494503	HDMI Cable Male-Male 5m Black (Blister T2)	● 10
494505	HDMI Cable Male-Male 1.5m Black (Bag)	● 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		
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
769142	Ethernet Switch L2+: 8x Gb Ethernet + 24x SFP (1 Gbps) + 4x SFP+ (10 Gbps)	1
769143	Ethernet Switch L3: 32x Gb Ethernet + 8x SFP+ (10Gbps)	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
Unmanaged		
768110	Ethernet Switch L2, Unmanaged: 5x 10/100/1000 Mbps	1
768111	Ethernet Switch L2, Unmanaged: 8x 10/100/1000 Mbps	1
MEDIA CONVERTERS (SFP)		
769210	SFP Module 1GbE for switches 76914x and network manager 769111 2 SMF "LC/UPC", 1310nm	1
769212	Kit: 2 SFP Modules 1GbE for switches 76914x and network manager 769111, SMF "LC/UPC", 1310+1490nm	1
Ref.	Description	
WIFI ACCESS POINTS		
WAIVEDATA SERIES		
WaveData Access Points		
769001	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	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
Management		
769030	WaveBox device: Managing and monitoring the WaveData network	1
769112	Network Manager: Hotspot, 4x Gb Ethernet	1
Accessories		
640301	Wall Mount for CoaxData/CoaxBox/WaveBox	1



▲ 769110



▲ 769111



▲ 769142



▲ 769143



▲ 768110



▲ 768111



▲ 769001



▲ 769030



▲ 769112

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	Stripper for Multi-fiber Cables	1
ACCESSORIES		
2327	Splicing Protection Sleeve 60mm for FO fusion	200
232701	Splicing Protection Sleeve 43mm for FO fusion	200
232710	F.O. Cleaning Kit: 50 isopropyl alcohol Wipes + 25 Sticks	1
2328	Fiber Mechanical Splices	10
2329	Connectors of Fiber Optics "SC/APC" (with mounting tool)	10
232910	Cleaner for Fiber Optic Connectors	1



▲ 2340



▲ 2341



▲ 2325



▲ 2329



▲ 2324



▲ 232310



▲ 232301



▲ 232105



▲ 2322



▲ 232910

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
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
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

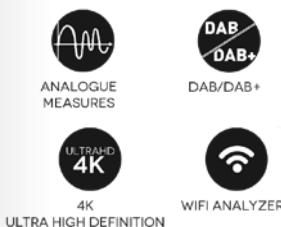


▲ 593601



▲ 593239

MOSAIQ6 ADVANCE



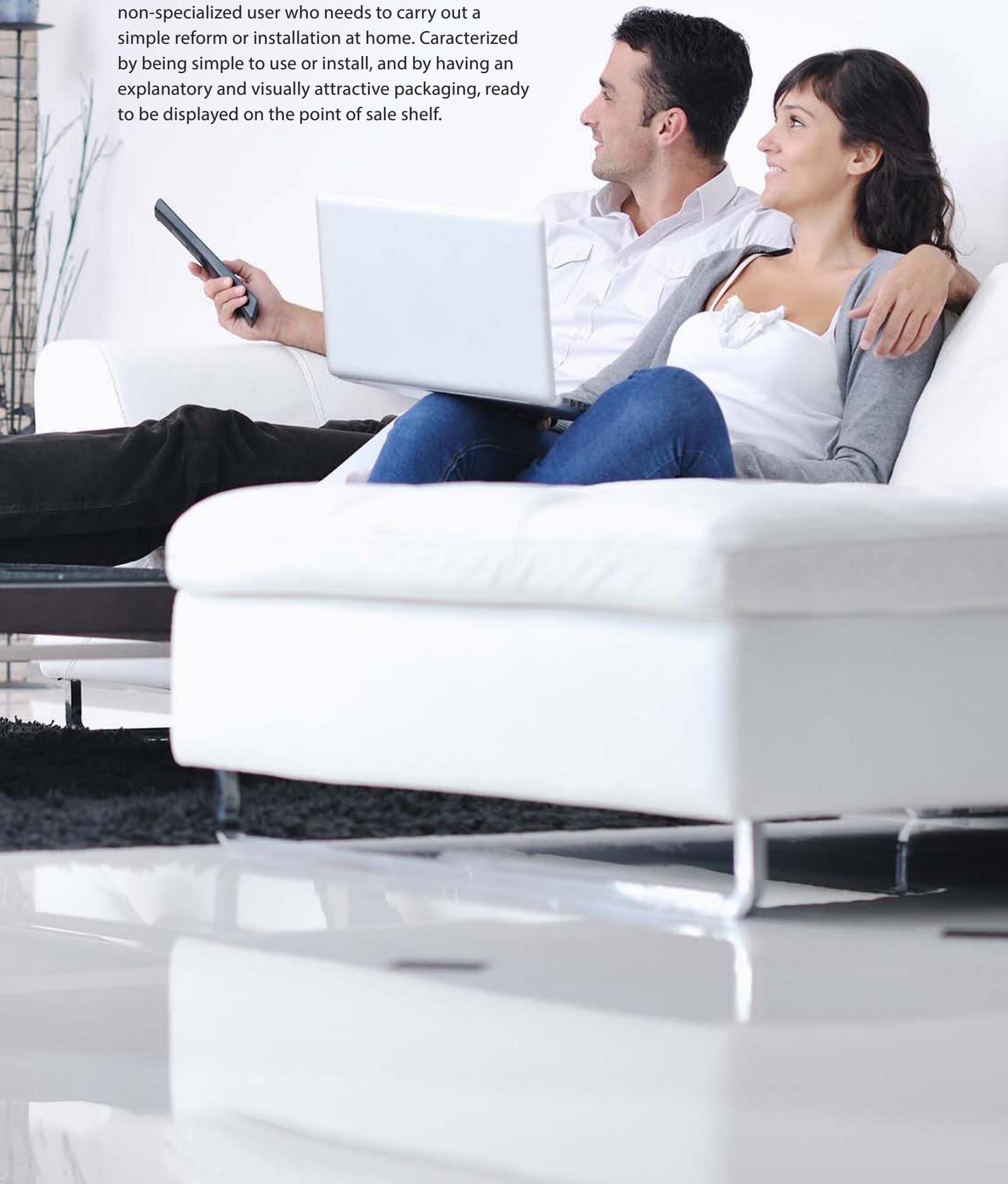
▲ 596105



▲ 596214

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.



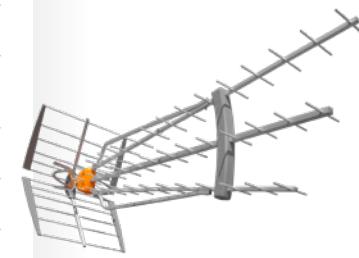
Ref.	Description	T.FORCE	LTE700	1/4
INTELLIGENT: OUTDOOR SERIES				
ELLIPSE SERIES				
148821	Ellipse MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 34/38dBi BOSS ON PSU included [Single Packing]	T.FORCE	LTE700	1/4
148881	Ellipse MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-51] G 36.5/40dBi BOSS ON PSU included 12V-220mA [110Vac & UL Listed][Single Packing]	T.FORCE	LTE700	1/4
148883	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]	T.FORCE	LTE600	1/4
148905	Ellipse Terrestrial Antenna UHF [Ch21-60], G 38dBi BOSS ON PSU included 12V-200mA [Single Packing]	T.FORCE	LTE790	1/4
148923	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-220mA, UK plug [Single Packing]	T.FORCE	LTE700	1/4
148925	Ellipse Terrestrial Antenna UHF [Ch21-48], G 38dBi BOSS ON PSU included 12V-200mA [Single Packing]	T.FORCE	LTE700	1/4
148981	Ellipse Terrestrial Antenna UHF [Ch14-51], G 38dBi BOSS ON PSU included 12V-220mA [110Vac & UL Listed][Single Packing]	T.FORCE	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]	T.FORCE	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]	T.FORCE	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]	T.FORCE	LTE700	1/12
148383	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]	T.FORCE	LTE600	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]	T.FORCE	LTE700	1
149441	DAT BOSS MIX Terrestrial Antenna BIII/UHF [Ch5-12/21-60] G 8.5/16dBi BOSS OFF, G 36.5/44dBi BOSS ON [Single Packing]	T.FORCE	LTE790	1
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]	T.FORCE	LTE700	1/12
149484	DAT BOSS MIX Terrestrial Antenna VHF/UHF [Ch7-13/14-51] G 8.5/16dBi BOSS OFF, G 36.5/41dBi BOSS ON + PSU 550104	T.FORCE	LTE600	1
149721	DAT BOSS LR Terrestrial Antenna UHF [Ch21-48] G 19dBi BOSS OFF, G 47dBi BOSS ON [Single packing]	T.FORCE	LTE700	1
149783	Terrestrial Antenna DAT BOSS LR UHF [Ch14-51] PSU included 12V-220mA [110Vac & UL Listed][Single packing]	T.FORCE	LTE700	1/12
149821	DAT BOSS MIX LR Terrestrial Antenna BIII/UHF [Ch5-12/21-48] G 8.5/18dBi BOSS OFF, G 36.5/46dBi BOSS ON [Single packing]	T.FORCE	LTE700	1
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]	T.FORCE	LTE700	1/12
149884	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]	T.FORCE	LTE600	1
149921	DAT BOSS Terrestrial Antenna UHF [Ch21-48] G 17dBi BOSS OFF, G 42dBi BOSS ON [Single packing]	T.FORCE	LTE700	1/5
149941	DAT BOSS Terrestrial Antenna UHF [Ch21-60] G 17dBi BOSS OFF, G 45dBi BOSS ON [Single Packing]	T.FORCE	LTE790	1/5
149983	Terrestrial Antenna DAT BOSS UHF [Ch14-51] PSU included 12V-220mA [110Vac & UL Listed][Single packing]	T.FORCE	LTE700	1/5
DINOVA BOSS				
144012	DINOVA BOSS Terrestrial Antenna UHF [Ch21-60] G 7dBi BOSS OFF, G 34dBi BOSS ON [Kit with accessories]	T.FORCE	LTE790	1
144022	DINOVA BOSS Terrestrial Antenna UHF [Ch21-48] G 7dBi BOSS OFF, G 34dBi BOSS ON [Kit with accessories]	T.FORCE	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]	T.FORCE	LTE700	1
144282	DINOVA BOSS MIX Terrestrial Antenna HighVHF/UHF [Ch7-13/14-51] G -7dBi BOSS OFF, G 24/34dBi BOSS ON PSU included 12V-220mA [110Vac & UL Listed][Kit with accessories]	T.FORCE	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]	T.FORCE	LTE700	1
144286	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]	T.FORCE	LTE600	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]	T.FORCE	LTE700	1
CAMPNOVA BOSS				
144521	CAMPNOVA BOSS Terrestrial Antenna FM/BIII/UHF [Ch5-12/21-48] G -2/20/30dBi BOSS ON [Kit with accessories]	T.FORCE	LTE700	1



▲ Ellipse



▲ 148220



▲ 149721



▲ DiNova BOSS



▲ CampNova BOSS

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)	TFORCE LTE700	● 1
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	● 1/6
MIRA BOSS			
130102	MIRA BOSS Indoor Terrestrial Antenna UHF (Ch21-60) G 18dBi (UK plug)	TFORCE LTE790	● 1
130121	MIRA BOSS Indoor Terrestrial Antenna UHF (Ch21-48) G 18dBi	TFORCE LTE700	● 1
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
130381	INNOVA BOSS MIX Indoor Terrestrial Antenna LowVHF/HighVHF/UHF (Ch2-6/7-13/14-51) G 15/26/27dBi (USB-microUSB 5V power supply cable included)	TFORCE LTE700	● 1



▲ BEXIA



▲ 130121

SATELLITE DISHES

Ref.	Description		
LNB			
COAXIAL (RF)			
4332	Offset LNB Twin (2 Outputs Hh/Vh/Hl/Vl) G 60dB (Blister T2)	● 6	
4365	Offset LNB Single (Universal) Hh/Vh/Hl/Vl G 60dB (Blister T1)	● 8	



▲ LNB Twin

SET TOP BOXES AND DOMESTIC ACCESSORIES

Ref.	Description		
SET TOP BOXES			
SATELLITE TV			
717402 Satellite Digital Set-top Box FTA DVB-S/S2 (S/PDIF + SCR1/2)			
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	
Ref.	Description		
A/V AND IR SENDERS			
WIRELESS A/V AND IR SENDERS			
716701	Digidom Transmitter + Receiver HDMI 5GHz	1/10	
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



▲ 716701

DO IT YOURSELF

FILTERING AND AMPLIFICATION

INTERNATIONAL
PRODUCTGUIDE_2022

Ref.	Description		
LTE FILTERS			
PLUG-IN FORMAT: IEC CONNECTOR			
404411	Medium Rejection LTE Filter (MR) "IEC" 470...774MHz UHF (Ch58) Indoor (Bag B3)	LTE790	10
404412	High Rejection LTE Filter (HR) "IEC" 47...790MHz VHF/UHF (Ch60) Indoor (Bag B3)	LTE790	10
Ref.	Description		
COMBINERS			
MATV (TERRESTRIAL)			
433401	Mast Triplexer 3i/1o "EasyF": VHF-UHF[dc]-UHF (Blister T1)	LTE790	10
SMATV (TERRESTRIAL + SATELLITE)			
4340	Combiner MATV-SAT 2i/1o: 47..790-950..2400MHz[dc] (Blister T1)	LTE790	8
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	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	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	8
Ref.	Description		
DOMESTIC POWER SUPPLY UNITS			
F-CONNECTOR SERIES			
550402	Domestic Power Supply Unit 1i/2o "F": 5...862MHz 24V-130mA (Blister T1)		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	8
552120	Domestic Amplifier 1i/2o "IEC": 47...694MHz G 22dB Vo 104dB μ V (Blister T1)	LTE700	8
552740	Domestic Amplifier 1i/1o "IEC": 47...790MHz G 25dB Vo 112dB μ V (Blister T1)	LTE790	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	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	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	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)		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	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)		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	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)		8
553001	Domestic Amplifier 1i/(2o+TV) "F" 5..65/88..862/950..2150MHz GI-9/19/21dB Vo 111/114dB μ V +Output to a TV Outlet GI-16/11/13dB (Blister T1)		8
553120	Domestic Amplifier 1i/6o "F": 47...694MHz G 14dB Vo 95dB μ V (Blister T1)	LTE790	8
553304	Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/25dB Vo 116dB μ V (Passive Ret.+Equaliser) (Blister T1)		8
553504	Domestic Amplifier 1i/1o "F": 5..65/88..1006MHz G -1/35dB Vo 116dB μ V (Passive Ret.+Equaliser) (Blister T1)		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)		10



▲ 404411



▲ 433401



▲ 4340



▲ 438620



▲ 553120

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



▲ 432803



▲ 4322



▲ 4372



▲ 4373



▲ 4336

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



▲ 435501



▲ 4371



▲ 385101



▲ 4312



▲ 437501



▲ 2162



▲ 437410

Ref.	Description		
DATA			
PATCH-CORDS			
209001	Patch-cord RJ45 U/UTP Cat 6 Cu PVC 0,5m White (Bag B0)	<input type="radio"/>	1
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
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
Ref. Description			
OPTICAL FIBER			
PRE-TERMINATED PATCH CORDS			
232621	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 2m (Bag B4)	<input checked="" type="radio"/>	10
232623	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 0.5m (Bag B4)	<input checked="" type="radio"/>	20
232624	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC-FC/UPC" 2m (Bag B4)	<input checked="" type="radio"/>	10
232626	F.O.Patch Cord Single-mode Indoor LSFH "SC/APC" 1m (Bag B4)	<input checked="" type="radio"/>	20



▲ 209102



▲ 232623



▲ 494501

MECHANICAL ACCESSORIES

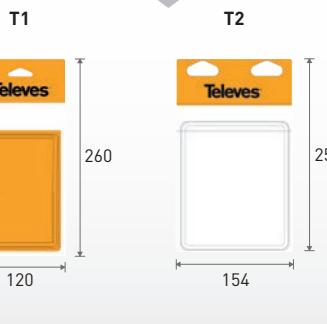
Ref.	Description	
MAST MOUNTING		
4361	Guy Wire Mounting Kit Ø 45mm	1/5
4951	Mast Clamp Zinc+RCP Ø 25...45mm (Blister T1)	8
4952	"U" Bolt for Mast Clamp Ø 25...45mm (Blister T1)	8



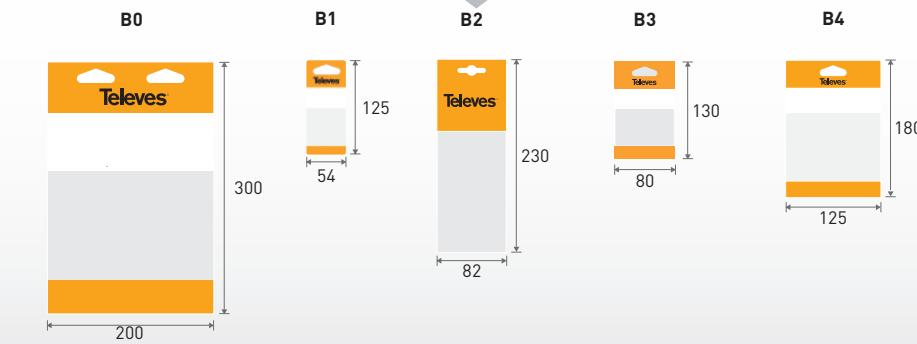
▲ 4361

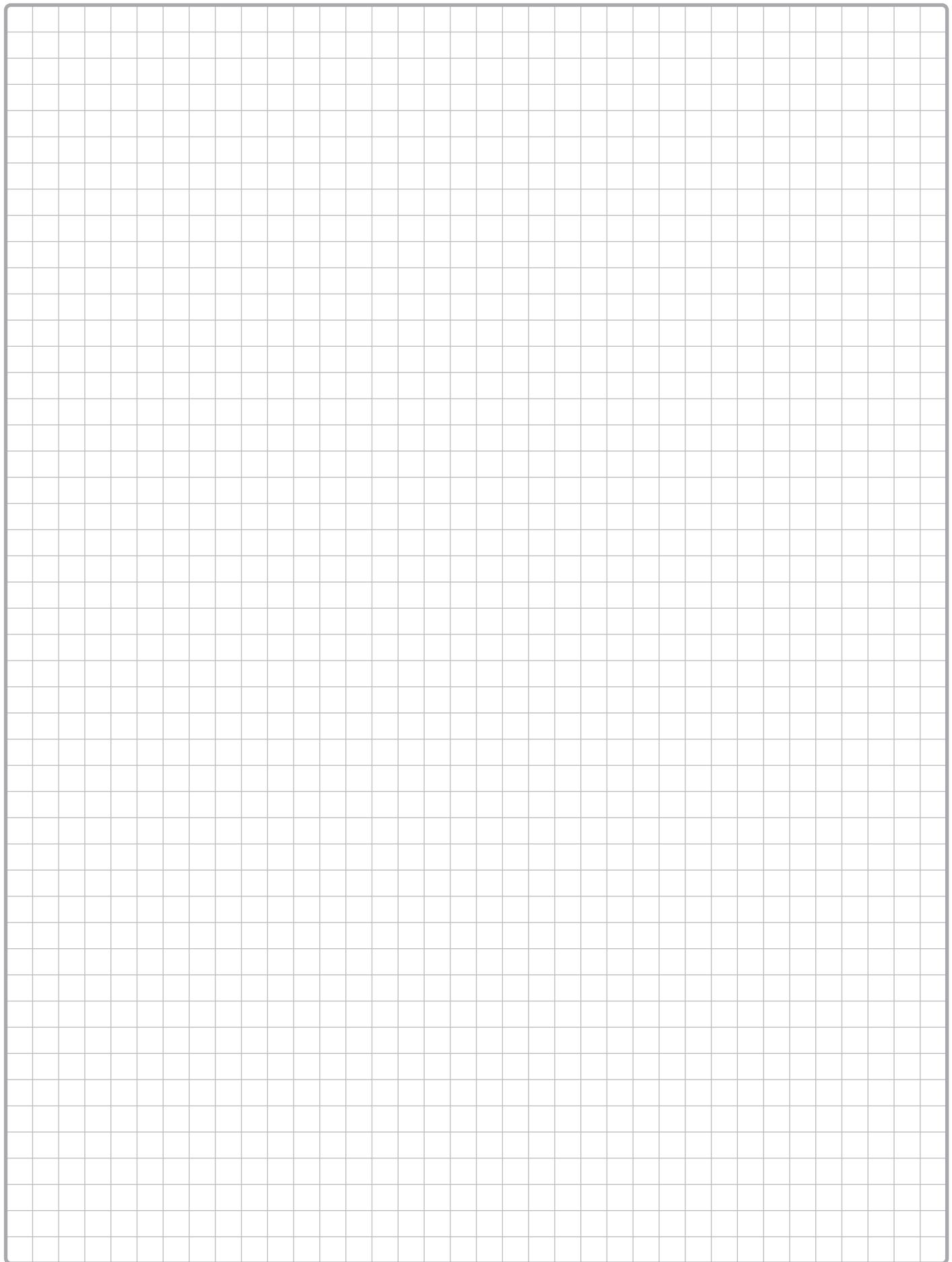
Packaging types (mm)

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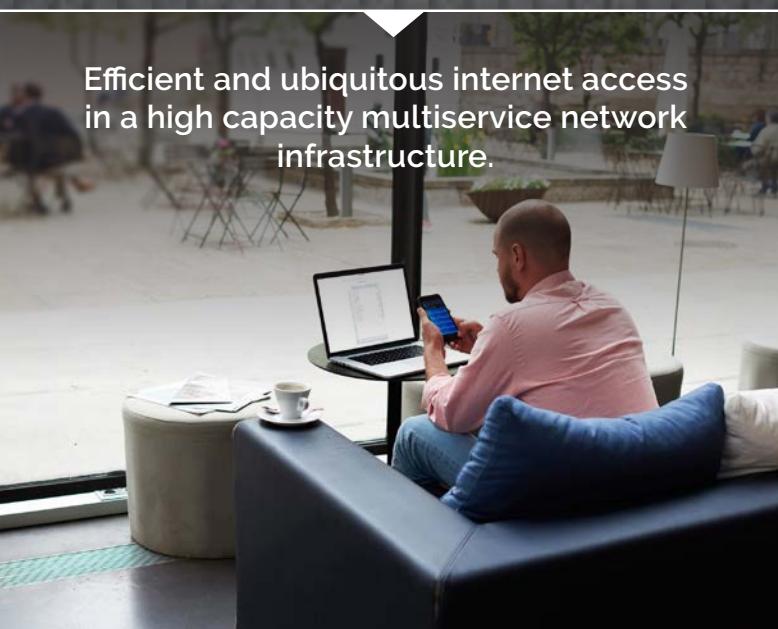
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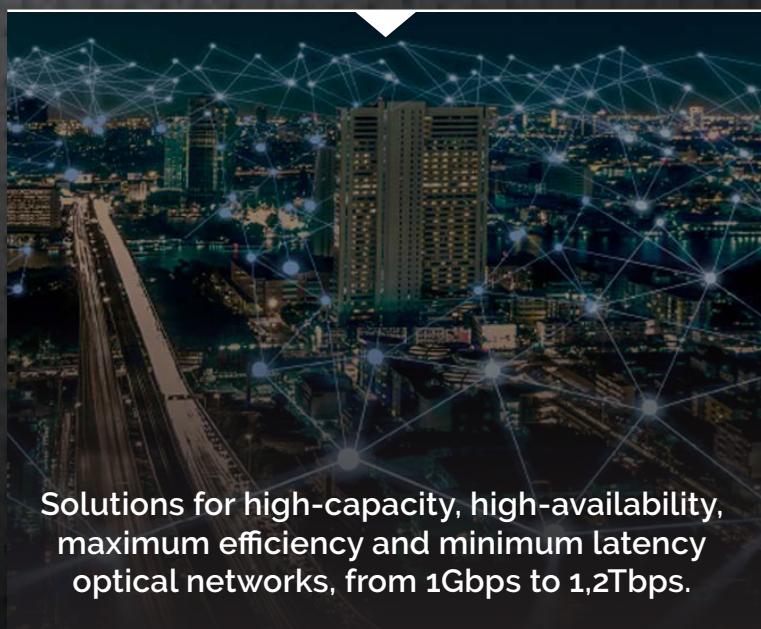
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