

# Etisalat Approved Products Catalogue





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Please visit our website for more information on our complete range of Structured Cabling Solutions: <https://datacom.televes.com/me>



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**Copper cabling**

**Racks & accessories**

**Fiber Optics**

**Professional equipment**

**Networking & WiFi**

# Structured cabling system

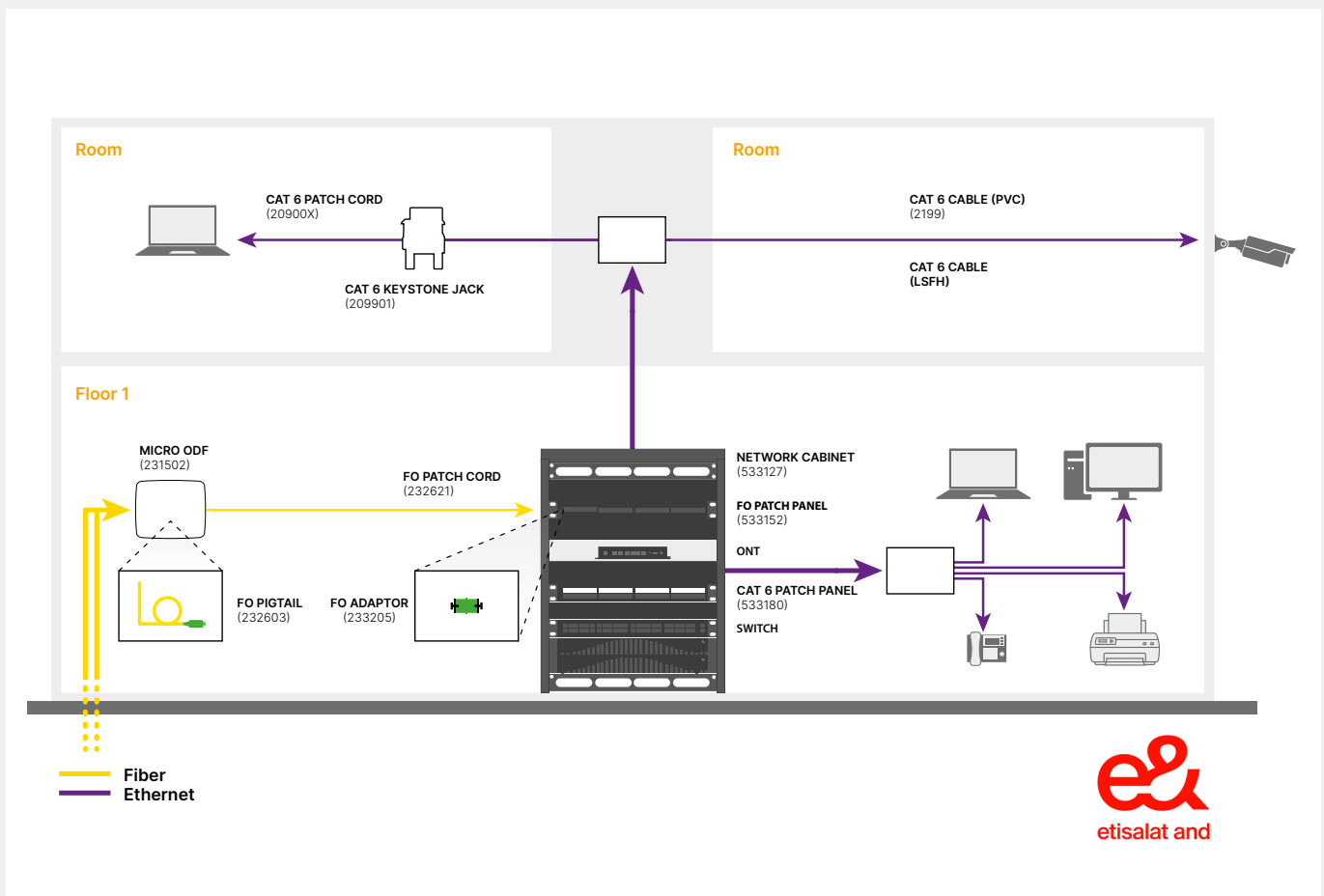


These products are approved for complete structured cabling systems. They ensure full compatibility with other approved components. They meet all technical, quality and safety standards, and are officially authorized for use in Etisalat systems.

Please visit our website for more information on our complete range of Structured Cabling Solutions:

<https://datacom.televes.com/me>

Product Description	EPA NO.	Televes Ref.
Cat 6 Cable (PVC)	780833-1	2199
Cat 6 Cable (LSFH)	781156-1	2123
Cat 6 Patch Cord	781156-2	20900X
Cat 6 Keystone Jack	781156-3	209901
F.O. Patch Cord	781155-1	232621
F.O. Pigtail	781155-2	232603
F.O. Adaptor	781155-3	233205
Micro ODF	781155-5	231502
Network Cabinet	781155-6	533127
Cat 6 Patch Panel	781156-4	533180
F.O. Patch Panel	781155-4	533152



# DK6000 data cable U/UTP Cat 6 Eca PVC 23AWG

Category-6 and Eca Euroclass data cable, U/UTP type (Unfoiled), with copper conductor and PVC sheath, white colour (RAL 9010).

Recommended for PoE and PoE+.

## Highlights

- U/UTP data Cable
- Solid copper inner conductor (23AWG)
- Technically compatible with PoE/PoE+/PoE++ (Power over Ethernet) technology, allowing the cable to power network devices
- PVC (polyvinyl chloride) outer sheath
- 72% nominal speed
- Certified according to the applicable standards as defined in the available declarations of conformity and performance
- Tested and approved by the Intertek (ETL Verified Mark) laboratory according to the available certification



Ref.	2199
EPA NO.	780833-1
Logical ref.	CAT6P305W
EAN13	8424450021996

## Other features

Colour	White
Length	305.00 m

## Physical data

Net weight	40.00 g
Gross volume	0.12 dm <sup>3</sup>
Gross weight	40.00 g
Width	6.00 mm
Height	1,000.00 mm
Depth	6.00 mm
Main product weight	36.00 g

## Packaging info

Box	305 m
Pallet	7320 m
Pallet	9150 m



## Mounting details

Detail view of the data cable section

- A - Inner conductor
- B - Inner conductor isolation
- C - Crucifix Filler
- D - Outer sheath
- E - Rip cord



## Technical specifications

Reference		2199														
Type		U/UTP														
Euroclass		Eca														
Categorie		Cat 6														
Transmission bandwidth		250MHz														
Transfer rate		1Gbps														
Conductor Diameter	mm	0.55														
Conductor Material		Solid copper														
Conductor type AWG		23														
Conductor isolation Diameter	mm	0.95														
Conductor isolation Material		Polyethylene														
Crucifix filler		Yes														
Outer sheath Diameter	mm	6.2														
Outer sheath Material		PVC														
Outer sheath Thickness	mm	0.5														
Rip cord		Yes														
Spark Test	Vac	3000														
Nominal impedance	$\Omega$	100														
Conductor resistance	$\Omega/100m$	< 9.38														
Nominal speed	%	72														
Working voltage	V	300														
Operating temperature	$^{\circ}C$	-30 ... 70														
Frequencies	MHz	0.772	1	4	8	10	16	20	25	31.25	62.5	100	125	200	250	
Attenuation (max.)	dB/100m	--	2	3.8	5.3	6	7.6	8.5	9.5	10.7	15.4	19.8	--	29	32.8	
Attenuation (typ.)	dB/100m	1.8	2	3.8	5.4	6	7.6	8.5	9.6	10.7	15.5	19.9	22.4	29.2	33	
ACR-N (typ.)	dB/100m	--	72.3	61.5	55.5	53.3	48.6	46.3	43.8	41.2	32	24.5	--	10.8	5.5	
PS ACR-N (typ.)	dB/100m	--	70.3	59.5	53.5	51.3	46.6	44.3	41.8	39.2	30	22.5	--	8.8	3.5	
Return losses (typ.)	dB	--	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	--	18	17.3	

# DK6000 data cable U/UTP Cat 6 Dca LSFH 23AWG

Category-6 and Dca Euroclass data cable, U/UTP type (Unfoiled), with copper conductor and LSFH sheath (Low Smoke Free of Halogen). It is recommended for installations where network certification is required.

It achieves a bandwidth up to 400 MHz (higher than the 250 MHz specified by the standard).

Recommended for PoE and PoE+.

## Highlights

- U/UTP data Cable
- Solid copper inner conductor (23AWG)
- Technically compatible with PoE/PoE+/PoE++ (Power over Ethernet) technology, allowing the cable to power network devices
- LSFH (Low Smoke Free of Halogen) outer sheath
- 72% nominal speed
- Certified according to the applicable standards as defined in the available declarations of conformity and performance
- Tested and approved by the Intertek (ETL Verified Mark) laboratory according to the available certification



Ref.	2123
EPA NO.	781156-1
Logical ref.	CAT6L305VD
EAN13	8424450140789

## Other features

Colour	Violet
Length	305.00 m

## Physical data

Net weight	37.00 g
Gross volume	0.12 dm <sup>3</sup>
Gross weight	40.00 g
Width	6.00 mm
Height	1,000 mm
Depth	6.00 mm
Main product weight	37.00 g

## Packaging info

Box	305 m
Pallet	9150 m
Pallet	10980 m



## Mounting details

Detail view of the data cable section

- A - Inner conductor
- B - Inner conductor isolation
- C - Crucifix Filler
- D - Outer sheath
- E - Rip cord



## Technical specifications

Reference		2123													
Model		DK6000													
Type		U/UTP													
Euroclass		Dca													
Euroclass: Smoke Production		s2													
Euroclass: Flaming droplets		d2													
Euroclass: Acidity		a1													
Categorie		Cat 6													
Transmission bandwidth		400MHz													
Transfer rate		1Gbps													
Conductor Diameter	mm	0.55													
Conductor Material		Solid copper													
Conductor type AWG		23													
Conductor isolation Diameter	mm	0.99													
Conductor isolation Material		Polyethylene													
Crucifix filler		Yes													
Outer sheath Diameter	mm	6.2													
Outer sheath Material		LSFH													
Outer sheath Thickness	mm	0.5													
Rip cord		Yes													
Spark Test	Vac	3000													
Nominal impedance	Ω	100													
Conductor resistance	Ohm/100m	< 9.38													
Nominal speed	%	72													
Working voltage	V	300													
Operating temperature	°C	-25 ... 70													
Frequencies	MHz	1	4	8	10	16	20	25	31.25	62.5	100	200	250	300	400
Attenuation (max.)	dB/100m	2	3,8	5,3	6	7,6	8,5	9,5	10,7	15,4	19,8	29	32,8	--	--
Attenuation (typ.)	dB/100m	1,7	3,5	5	5,6	7,1	8	8,9	10	14,4	18,3	26,2	29,4	32,8	37,7
NEXT (min.)	dB	74,3	65,3	60,8	59,3	56,2	54,8	53,3	51,9	47,4	44,3	39,8	38,3	--	--
NEXT (typ.)	dB	87,3	78,1	74,1	70,1	67,3	65,9	64,1	62,2	57,3	57	50,5	49,5	44	36,5
PS NEXT (min.)	dB	72,3	63,3	58,8	57,3	54,2	52,8	51,3	49,9	45,4	42,3	37,8	36,3	--	--
PS NEXT (typ.)	dB	84,9	76,2	71,2	67,7	64,8	64,1	62,9	60,5	56,1	52,1	46,5	45,3	41,2	35,6
ACR-N (min.)	dB	72,3	61,5	55,5	53,3	48,6	46,3	43,8	41,2	32	24,5	10,8	5,5	--	--
ACR-N (typ.)	dB	85,5	74,4	69,1	64	59,9	57,9	55,3	52,2	43	36,1	22,7	19,2	11,2	-1,2
PS ACR-N (min.)	dB	70,3	59,5	53,5	51,3	46,6	44,3	41,8	39,2	30	22,5	8,8	3,5	--	--
PS ACR-N (typ.)	dB	83,2	71,8	66,2	62	57,6	56,2	54,1	50,5	41,5	34,4	20,3	16	9	-1,7
ACR-F (min.)	dB	67,8	55,8	49,7	47,8	43,7	41,8	39,8	37,9	31,9	27,8	21,8	19,8	--	--
ACR-F (typ.)	dB	78,1	66	60,9	58,7	54,3	52,5	50,4	49	41,6	38,6	30,5	28,6	23,9	22,3
PS ACR-F (min.)	dB	64,8	52,8	46,7	44,8	40,7	38,8	36,8	34,9	28,9	24,8	18,8	16,8	--	--
PS ACR-F (typ.)	dB	74,7	63,2	58,1	56,2	52,9	50,4	48,4	46,5	40,3	35,8	28,6	26,8	20,5	16,5
Return losses (min.)	dB	20	23	24,5	25	25	25	24,3	23,6	21,5	20,1	18	17,3	--	--
Return losses	dB	25,6	26,6	29,3	29,8	31,9	32,3	32,1	32,5	31,6	27,7	24,8	23,1	21,8	19,3

# Ethernet Patch Cord U/UTP Cat 6 PVC, white

Preconnected Ethernet patch cord with RJ45 connector at each end. It is made of a Category-6 data cable, U/UTP type, with a flexible copper inner conductor 24 AWG and outer sheath made of white PVC.

## Highlights

- Available in different lengths
- U/UTP data Cable
- Flexible copper inner conductor (24 AWG)
- Compatible with PoE/PoE+ (Power over Ethernet) technology, allowing the cable to power network devices
- PVC (polyvinyl chloride) outer sheath
- 72% nominal speed
- RJ45 connectors with gold plated connector ends



Ref.	209005
EPA NO.	781156-2
Logical ref.	PK6P5W-T
EAN13	8424450221969

## Other features

Colour	White
Length	5.00 m

## Physical data

Net weight	192.00 g
Gross volume	0.08 dm <sup>3</sup>
Gross weight	192.00 g
Width	12.00 mm
Height	5,095.00 mm
Depth	10.00 mm

## Packaging info

Bag	1 Units
-----	---------



## Technical specifications

Reference		209005												
Type		U/UTP												
Categorie		Cat 6												
Transmission bandwidth		250MHz												
Transfer rate		1Gbps												
Conductor Diameter	mm	0.18												
Conductor Material		Flexible copper												
Conductor type AWG		24												
Conductor isolation Diameter	mm	0.96												
Conductor isolation Material		Polyethylene												
Crucifix filler		Yes												
Outer sheath Diameter	mm	5.7												
Outer sheath Material		PVC												
Outer sheath Thickness	mm	0.62												
Rip cord		No												
Cable length	m	5												
Data connector type		RJ45												
Spark Test	Vac	3000												
Nominal impedance	$\Omega$	100												
Conductor resistance	Ohm/km	<117												
Nominal speed	%	72												
Working voltage	V	300												
Operating temperature	$^{\circ}\text{C}$	-30 ... 70												
Frequencies	Mhz	1	4	8	10	16	20	25	31.25	62.5	100	200	250	
NEXT (typ.)	dB/100m	65	63	58.2	56.6	53.2	51.6	50	48.4	43.4	39.9	34.8	33.1	
PS NEXT (typ.)	dB/100m	62	60.5	55.6	54	50.6	49	47.3	45.7	40.6	37.1	31.9	30.2	
ACR-F (typ.)	dB/100m	63.3	51.2	45.2	43.3	39.2	37.2	35.3	33.4	27.3	23.3	17.2	15.3	
PS ACR-F (typ.)	dB/100m	60.3	48.2	42.2	40.3	36.2	34.2	32.3	30.4	24.3	20.3	14.2	12.3	
Return losses	dB	19	19	19	19	18	17.5	17	16.5	14	12	9	8	

# RJ45 female connector UTP Cat 6 for data cables

RJ45 UTP Cat 6 female connector, reusable and easy to connect. Assembly using a specific tool is recommended to guarantee a perfect finish.

Recommended for PoE and PoE+.

## Highlights

- Self-crimpable connector, although the use of a termination and cutting tool is recommended to optimize connections (ref.209811)  
Flexible copper inner conductor (24 AWG)
- Reusable: can be removed and reinstalled without deteriorating or losing functionality
- Technically compatible with PoE/PoE+/PoE++ (Power over Ethernet) technology, allowing the cable to power network devices
- Multiple-connection guaranteed without losses
- Compatible with Cat 6 or below
- Front (180°) or angled (90°) cable input
- Connection table (A or B) on the connector
- 50 microns gold-plated pins



Ref.	209901
EPA NO.	781156-3
Logical ref.	CAT6B-U
EAN13	8424450162828

## Other features

Colour	White
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## Physical data

Net weight	6.00 g
Gross volume	0.03 dm <sup>3</sup>
Gross weight	9.00 g
Width	22.00 mm
Height	30.00 mm
Depth	16.00 mm
Main product weight	6.00 g

## Packaging info

Plastic box	15 Units
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## Technical specifications

Reference		209901
Data connector model		Female
Data connector type		RJ45
Categorie		Cat 6
Shielding type		UTP
Housing material		Polycarbonate
Voltage max.	Vac	150
Max. current	A	1.5
Contact resistance	mΩ	100
Insulation resistance	MΩ	500
Dielectric strength (60Hz/1min)	Vac	1000
Conductor type AWG		26 ... 23
Special tool required		Recommended
Durability (connection cycles)		1500
Reusable		Yes
Cable output		90°-180°

## Mounting details

### Assembly with tool



# Optical fiber patch cord SC/APC, Single-mode (SM), LSFH indoor

Single-mode (SM) optical-fiber patch cord preterminated with SC/APC connectors for the interconnection of optical equipment. The sheath being LSFH, it is recommended for indoor use. Supplied in individual bag with hanger.

## Highlights

- ITU-T G.657.A2 fiber type
- LSFH sheath, orange colour
- SC/APC connectors



Ref.	232621
EPA NO.	781155-1
Logical ref.	OSK2SCAPC
EAN13	8424450187029

## Other features

Colour	Orange
Length	2.00 m

## Physical data

Net weight	24.00 g
Gross weight	24.00 g
Width	3.00 mm
Height	2,000.00 mm
Depth	3.00 mm
Main product weight	24.00 g

## Packaging info

Bag	1 Units
Box	10 Units



## Technical specifications

Reference		232621
Fiber core type		Single-mode (ITU-T-G.657.A2)
Optical fiber type category		OS1
Fiber core diameter	μm	9
Fiber cladding diameter	μm	125
Coating buffer diameter	μm	250
Cable structure		Tight buffer
Plastic buffer diameter	mm	0.9
Outer sheath Diameter	mm	3
Outer sheath Material		LSFH
Blocking jelly		No
Attenuation 1310nm	dB/km	< 0.4
Attenuation 1490nm	dB/km	< 0.4
Attenuation 1550nm	dB/km	< 0.3
Insertion losses in connector 2	dB	< 0.5
Return losses in connector 2	dB	> 60
Optical connector type 1		SC
Polishing type (Optical connector 1)		APC
Optical connector type 2		SC
Polishing type (Optical connector 2)		APC
Cable length	m	2
Structure reinforcement element		Aramid fibers
Minimum bending radius	mm	15
Operating temperature	°C	-20 ... 70

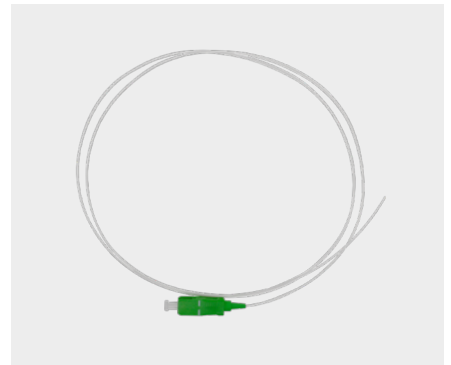
# Pigtails SC/APC, Singlemode (SM), LSFH indoor

Single-mode (MM) pigtail, used for interconnecting optical equipment, have its end pre-terminated with SC/APC connectors.

The 900µm cover is of LSFH type and is recommended for indoor use. Additionally, its pre-terminated end has a short boot, facilitating installation in wall sockets, avoiding increases in attenuation due to undesirable bends, allowing the sliding of the patch cord through conduits, reducing the space required for connection, and being less demanding regarding bend radius.

## Highlights

- ITU-T G.657.A2 fiber type
- LSFH sheath, white colour
- SC/APC connectors
- 1m long



Ref.	232603
EPA NO.	781155-2
Logical ref.	OSCAPC1
EAN13	8424450259306

## Other features

Colour	White
Supply method	Multiple packing (25 units)
Length	1.00 m

## Physical data

Net weight	4.00 g
Gross weight	8.00 g
Width	9.00 mm
Height	1,120.00 mm
Depth	8.00 mm
Main product weight	4.00 g

## Packaging info

Box	25 Units
-----	----------



## Technical specifications

Reference		232603
Fiber core type		Single-mode (ITU-T-G.657.A2)
Fiber core diameter	µm	9
Fiber cladding diameter	µm	125
Cable structure		Tight buffer
Outer sheath Diameter	µm	900
Outer sheath Material		LSFH
Attenuation 1310nm Max	dB/km	0.4
Attenuation 1550nm Max	dB/km	0.3
Cable length	m	1
Insertion losses Max	dB	0.5
Return losses Min	dB	60
Optical connector type		SC
Polishing type (Optical connector)		APC
Operating temperature	°C	-20...70

# SC Female - SC Female Optical Simplex Adapter Single-mode (SM), with Internal shutter.

Adapter for connecting male optical connectors, with SC mechanics, at both ends. Both connectors must have the same type of polish to avoid signal loss. It is recommended to always use connectors of the same colour as the adapter, to identify the type of polish on the other end: APC (green).

It has an internal shutter, that automatically blocks the light from passing through when the connector is removed, ensuring protection of the eyes

Compatible with single-mode (SM) fibers.

## Highlights

- Low insertion losses and high reliability
- Allows installation using a retaining clip (included), or securing screws, to keep the adapter fixed
- It avoids false contacts, as well as occasional disconnections
- It incorporates, at both ends, a removable cap to protect the inside of the adapter and an internal shutter that blocks the passage of light, ensuring eye protection
- Body made of plastic (polymer), mechanically resistant to impact or corrosion
- Green colour



Ref.	233205
EPA NO.	781155-3
Logical ref.	OASCAPCK
EAN13	8424450300824

## Other features

Colour	Green
--------	-------

## Physical data

Net weight	4.00 g
Gross weight	5.00 g
Width	22.00 mm
Height	27.00 mm
Depth	9.00 mm
Main product weight	4.00 g

## Packaging info

Plastic box	30 Units
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## Technical specifications

Reference		233205
Optical connector type 1		SC
Polishing type (Optical connector 1)		APC
Optical connector type 2		SC
Polishing type (Optical connector 2)		APC
Connection type		Female / Female
Fiber type		Single-Mode (SM)
Ferrule		Ceramic
Protection cap		Shutter
Shutter type		Internal
Durability (connection cycles)		500
Housing material		Plastic
Fastening type		Click
Operating temperature	°C	-20...70

# Optical fiber Patch/Splitting Box 1 to 4 outputs. 2 SC/APC adapters included

Device enabled as a connection point to an optical fiber network. In communications infrastructures, it works as a cut-off and test point for the optical fiber network.

Thanks to the design, it also allows installation in other types of premises (car repair shops, classrooms, etc.) and is used as a connection point for optical fiber (work table, wiring cabinets, DIN rails, etc.) or else as an optical distribution frame, housing a 2 or 4-way optical splitter.

## Highlights

- Made of robust ABS plastic. White color (RAL 9003)
- Capacity for up to 5 SC Simplex or LC Duplex connectors
- Equipped with 2 Simplex Single-Mode "SC/APC" female-to-"SC/APC" female adapters (with self-locking cover)
- Multi-anchoring system: Standard DIN rail, wall or outlet
- Single direction of rotation of the fibers inside (which facilitates installation)
- Identifying label
- 6 inputs, pre-cut on its sides, for FO access
- Back input for FO and SC connector
- Pre-cut input at the bottom, for access to a distribution frame (SC/APC)
- Design that guarantees a minimum bending radius of 20 mm for the fiber
- Equipped with: 2 heat-shrink sleeves, 2 cable ties, installation screws
- 100% european quality: manufactured by Televes in Spain



Ref.	231502
EPA NO.	781155-5
Logical ref.	OB4
EAN13	8424450183724

## Physical data

Net weight	122.00 g
Gross volume	0.57 dm <sup>3</sup>
Gross weight	122.00 g
Width	118.00 mm
Height	96.00 mm
Depth	33.00 mm
Main product weight	84.00 g

## Packaging info

Box	1 Units
-----	---------



## Technical specifications

Reference		231502
Number of inputs		8
Closure type		Cover
Front door locking system		Screw
Type of connections		Connector and fusion splice
Installation type		Wall / Ceiling
Material		ABS Plastic
Thickness	mm	2
Color		White
Protection index (IP)		30
Protection index (IK)		07
Height	mm	97
Width	mm	119
Depth	mm	33
Blocking jelly		No
Operating temperature	°C	-20...70

# 19" - Rack Cabinet 27RU 600×600 mm

The 27RU rack Cabinet is used for the housing of active or passive equipment, visible from the outside and protected by a safe steel lockable structure. Compatible with optical fiber, data cables or coaxial cable installations, it allows the grouping of different technologies in a single cabinet. The rack is equipped with depth-adjustable side profiles, which allow the installation of different types of panels or equipment.

It has a front and rear door, reversible and removable with flexible adjustment, which facilitates working in the rack. The tempered glass front door allows viewing the status of the devices without opening the rack. It also has push-button removable side doors for access to the rack interior through the sides, an advantage when configuring rear connections.

Designed for floor installation. It includes 4 screw-on legs, they allow height regulation, from 45 to 80 mm, simplifying the adjustment on inclined or uneven surfaces.

## Highlights

- High strength and durability: made of steel, with a coating based on polyester resins and lead-free pigments
- Safety: Tempered glass, lockable hinged front door
- Laser marking: numerical identification of each "RU"
- Horizontal cable guides: 1RU cable panels located at the top and bottom of the cabinet to lead cabling from one side to the other and facilitate connections
- Electrical safety: Each door and removable panel includes a grounding screw (terminal) to ensure proper grounding connection
- A 120×120mm ventilation kit can be incorporated for the installation of active equipment, such as headends
- Black colour (RAL 9004)



Ref.	533127
EPA NO.	781155-6
Logical ref.	MSR1927-66
EAN13	8424450237274

## Other features

Supply method	Assembled
Rack depth	600mm
Height (RU)	27RU
Perforated doors	

## Physical data

Net weight	64,000.00 g
Gross volume	483.00 dm <sup>3</sup>
Gross weight	74,000.00 g
Width	600.00 mm
Height	1,342.00 mm
Depth	600.00 mm
Main product weight	64,000.00 g

## Packaging info

Pallet	1 pcs.
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## Compatibility of our racks with wheels, and recommended ventilation systems for racks:

Reference	Height	Dimensions	Mounting	Fan	Wheels
533105	6+2RU	600×450 mm	Wall & Floor	533174	-
533106	6+2RU	600×450 mm	Wall & Floor	533174	-
533107	8+2RU	600×450 mm	Wall & Floor	533174	-
533108	8+2RU	600×450 mm	Wall & Floor	533174	-
533112	13+2RU	600×450 mm	Wall & Floor	533174	-
533113	13+2RU	600×450 mm	Wall & Floor	533174	-
533114	15+2RU	600×450 mm	Wall & Floor	533174	-
533115	15+2RU	600×450 mm	Wall & Floor	533174	-
533116	15+2RU	600×600 mm	Wall & Floor	533174	•
533118	18RU	600×600 mm	Floor	533175	•
533122	22RU	600×600 mm	Floor	533175	•
533127	27RU	600×600 mm	Floor	533175	•
533132	32RU	600×600 mm	Floor	533175	•
533137	37RU	600×600 mm	Floor	533175	•
533139	37RU	600×800 mm	Floor	533176	•
533142	42RU	600×800 mm	Floor	533176	•
533128	27RU	800×800 mm	Floor	533176	•
533144	42RU	800×800 mm	Floor	533176	•
533145	42RU	800×800 mm	Floor	533176	•
533146	42RU	800×1000 mm	Floor	533176	•
533147	42RU	800×1000 mm	Floor	533176	•

## Technical specifications

Reference	533127	
Modular spacing (standard)	in	19
Height	mm	1342
Width	mm	600
Depth	mm	600
Number of rack units (RU)		27
Material		Steel
Rack rail thickness	mm	2
Colour		Black
Surface finishing		Electrostatic powder
Number of doors		2
Front door material		Tempered glass
Rear door		Yes
Rear door material		Steel
Max. load capacity	kg	1000
Max. load capacity (with wheels)	kg	960
Max. load capacity (with legs)	kg	600
Removable sides		Yes
Installation type		Ground
Type of profile rail		L-shaped
Grounding		Yes
Protection index (IP)		20
Protection index (IK)		07

# 19"-Rack Cabinet 42RU 800×1000 mm, with perforated doors

The 42RU rack Cabinet is used for the housing of active or passive equipment, visible from the outside and protected by a safe Steel lockable structure. Compatible with optical fiber, data cables or coaxial cable installations, it allows the grouping of different technologies in a single cabinet. It is suitable for GPON headends installation, where the infrastructure requires greater depth (up to 1000mm depth). The rack is equipped with depth-adjustable side profiles, which allow the installation of different types of panels or equipment.

It has a front and rear door, reversible and removable with flexible adjustment, which facilitates working in the rack. Both doors are perforated with honeycomb structure, thus improving passive ventilation, increasing the strength and decreasing the weight of the rack. It also has push button removable side doors for access to the rack interior through the sides, an advantage when configuring rear connections.

Designed for floor installation. It includes 4 screw-on legs, they allow height regulation, from 45 to 80mm, simplifying the adjustment on inclined or uneven surfaces. Supplied assembled.

## Highlights

- High strength and durability: made of steel, with a coating based on polyester resins and leadfree pigments
- Safety: Tempered glass, lockable hinged front door
- Laser marking: numerical identification of each "RU"
- Horizontal cable guides: 1RU cable panels located at the top and bottom of the cabinet to lead cabling from one side to the other and facilitate connections
- Vertical cable guides: 10 cm of extra space on each side of the rack for easy cable passage and cable management
- Comfort: double front door for reduced opening space
- Electrical safety: Each door and removable panel includes a grounding screw (terminal) to ensure proper grounding connection
- A 120×120mm ventilation kit can be incorporated for the installation of active equipment, such as headends
- Black colour (RAL 9004)



Ref.	533146
Logical ref.	MSR1942-81P
EAN13	8424450274279

## Other features

Supply method	Assembled
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## Physical data

Net weight	152,000.00 g
Gross volume	875.15 dm <sup>3</sup>
Gross weight	177,000.00 g
Width	800.00 mm
Height	2,010.00 mm
Depth	1,000.00 mm
Main product weight	152,000.00 g

## Packaging info

Pallet	1 Units
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## Technical specifications

Reference		533146
Modular spacing (standard)	in	19
Height	mm	2010
Width	mm	800
Depth	mm	1000
Number of rack units (RU)		42
Material		Steel
Thickness	mm	1.2
Colour		Black
Surface finishing		Electrostatic powder
Number of doors		2
Front door material		Perforated steel
Rear door		Yes
Rear door material		Steel
Max. load capacity	kg	1000
Max. load capacity (with wheels)	kg	960
Max. load capacity (with legs)	kg	600
Removable sides		Yes
Installation type		Ground
Type of profile rail		L-shaped
Grounding		Yes
Protection index (IP)		20
Protection index (IK)		07

# Patch panel for Rack 19" 1RU, with 24 "RJ45" Cat 6 UTP female connector

Designed as 1RU, it contains 24 RJ45 Cat 6 UTP female soldered connectors for data transmission with Gigabit Ethernet standard. It allows to have a fixed distribution network on which signal can be changed just through a reconnection on the panel.

## Highlights

- Strength panel: Made of high strength die-casted zinc alloy
- Port labelling included
- Reusable connectors, allowing their connectorization on several occasions without deteriorating or losing functionality
- Designed as 1RU
- Connection table (T568A o T568B) on the panel
- Includes 4 screws and 4 nuts for installation in a 19"-rack
- Includes 2 velcro flanges and 24 plastic ties, for securing and organizing the cables
- Black colour (RAL 9005)



Ref.	533180
EPA NO.	781156-4
Logical ref.	UAF24UTP6
EAN13	8424450238240

## Physical data

Net weight	806.00 g
Gross volume	3.17 dm <sup>3</sup>
Gross weight	928.00 g
Width	483.00 mm
Height	44.00 mm
Depth	92.00 mm
Main product weight	806.00 g

## Packaging info

Box	1 Units
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## Technical specifications

Reference		533180
Number of rack units (RU)		1
Modular spacing (standard)	in	19
Number of connectors		24
Data connector type		RJ45
Connector shielding		No
Categorie		Cat 6
Connection type		110
Contact resistance	mΩ	< 100
Insulation resistance	MΩ	500
Return losses (typ.)	dB	5.8
Width	mm	483
Height	mm	44
Depth	mm	95
Colour		Black

# Splice Box for Rack 19" For "SC" Simplex or "LC" Duplex optical adapters

Designed to house SC-to-SC Simplex or LC-to-LC Duplex adapters, it can be used as a junction point for optical fibers (FO patch panel). It can be used to easily connect segregated multifiber hoses or several fiber hoses, thus allowing easy access and identification of these.

It allows having a fixed optical fiber distribution network, to which different signals can be delivered just by a reconnection on the panel. Thanks to its wide design, it facilitates the easy assembly and maintenance of the fusion patches that it houses. In addition, the position of the splice box can be set back with respect to the rack profile, in order to protect the connectors against knocks or chafing, and to allow the door to close without any problem.

## Highlights

- Up to 24 SC Simplex or LC Duplex adapters
- Resistant material due to steel construction of frame and rails
- Lightweight base due to aluminium construction
- Each connector is identified with a laser-marked number
- Black colour (RAL 9005)
- Includes 4 screws and 4 nuts for installation in a 19"-rack
- Equipped with a FO tray and cover to house the different fiber splices
- Includes clamps and flanges for the fixing and guiding of the different fibers



Ref.	533152
EPA NO.	781155-4
Logical ref.	UFB24SC-A
EAN13	8424450182598

## Other features

Height (RU)	1RU
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## Physical data

Net weight	1,342.00 g
Gross volume	7.57 dm <sup>3</sup>
Gross weight	1,629.00 g
Width	480.00 mm
Height	42.00 mm
Depth	230.00 mm
Main product weight	1,342.00 g

## Packaging info

Box	1 Units
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## Technical specifications

Reference		533152
Number of rack units (RU)		1
Modular spacing (standard)	in	19
Optical connector type		LC Duplex / SC Simplex
Depth	mm	236
Depth adjustment	mm	55
Colour		Black

