

POLILAN®

Essentials

Cat 6 U/UTP

Cat 6A U/FTP

Switch Board Din-Rail Solution

Fiber Optic Solution

POLILAN®

Infrastructure Cat 6 U/UTP Solution (LSZH or PVC)



CABLE CAT6 U/UTP AWG24 LSZH



PN:	2311002223
Color:	White
Delivery:	305 m box or 500 m
CPR:	D _{ca} -s ₂ ,d ₂ ,a ₁

CABLE CAT6 U/UTP AWG24 PVC



PN:	2311002857
Color:	Grey
Delivery:	305 m box or 500 m
CPR:	E _{ca}

MODULE RJ45 CAT6 U/UTP KEYSTONE TOOLESS



PN:	2311001807
Color:	Black
Delivery:	Pcs

PATCH PANEL EMPTY 24X PORTS KEYSTONE



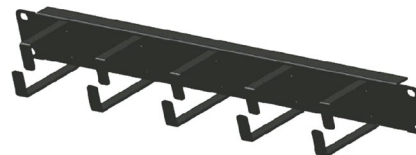
PN:	2311002861
Color:	Black/Grey
Delivery:	Pcs

FACEPLATE KEYSTONE



Style:	French (45x45)	British
PN (1 module):	2311003651	2311004461
PN (2 modules):	2311003650	2311004460
Color:	White	White
Delivery:	Pcs	Pcs

MANAGE CABLE BAR 1U 5 RINGS



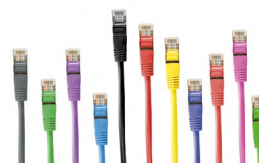
PN:	2311002862
Color:	Black
Delivery:	Pcs

RACK NETWORK 42U 800X800



PN:	2311003653
Color:	Black
Delivery:	Pcs

PATCH CORDS CAT6 U/UTP LSZH



PN:	2311003646	2311003647	2311003648	2311003649
Color:	Grey	Grey	Grey	Grey
Length:	0,5 m	1 m	3 m	5 m

Infrastructure CAT 6A U/FTP Solution



CABLE CAT6A U/FTP AWG23 LSZH



PN:	2311003643
Color:	Violet
Delivery:	500 m
CPR:	D _{ca} -s ₂ ,d ₂ ,a ₁

MODULE RJ45 CAT6A SHIELD KEYSTONE TOOLESS



PN:	2311002859
Color:	Black
Delivery:	Pcs

PATCH PANEL EMPTY 24X PORTS KEYSTONE



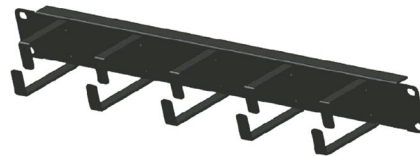
PN:	2311002861
Color:	Black/Grey
Delivery:	Pcs

FACEPLATE KEYSTONE



Style:	French (45x45)	British
PN (1 module 45x45):	2311003651	2311004461
PN (2 modules 45x45):	2311003650	2311004460
Color:	White	White
Delivery:	Pcs	Pcs

MANAGE CABLE BAR 1U 5 RINGS



PN:	2311002862
Color:	Black
Delivery:	Pcs

RACK NETWORK 42U 800X800



PN:	2311003653
Color:	Black
Delivery:	Pcs

SHIELDED PATCH CORDS



PN:	2311003867	2311001250	2311001241	2311001256
Color:	Grey	Grey	Grey	Grey
Length:	0,5 m	1 m	3 m	5 m

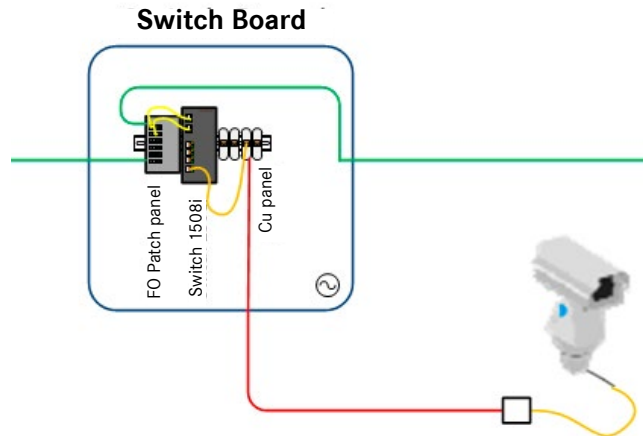
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Switch Board Din-Rail Solutions

CABLE CAT6 & CAT6A OUTDOOR



PN:	2311002858	2311001929	2311004439
Category:	Cat6	Cat6	Cat6A
Shield:	U/UTP	SF/UTP	U/FTP Metallic armour
Delivery	500 m	500 m	500 m



FIBER OPTIC DIN-RAIL PANEL



PN:	2311001191	2311001194	2311003692
Description:	PPANEL FO DIN-RAIL INDUSTRIAL WO/FPLATE	PPANEL FPLATE 12XLCD/SC DIN-RAIL	PPANEL FPLATE 12XST DIN-RAIL
Color:	Aluminum	Aluminum	Aluminum
Delivery:	Unit	Unit	Unit

ACCESSORY DIN-RAIL FOR DATA COMMUNICATIONS MODULE KEYSTONE



PN:	2311002021
Color:	Grey
Delivery:	Pcs

INDUSTRIAL DIN-RAIL SWITCH



PN:	2311003097	2311001873
N° Ports RJ45:	4x Gigabit	2x Gigabit
Fiber uplink:	2x Gigabit SFP	1x Gigabit SFP
Delivery	Unit	Unit

CABLE GLANDS



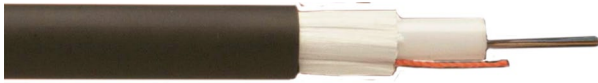
PN:	Check LAPP Catalog
Color:	Check LAPP Catalog
Delivery:	Unit

PLUG RJ45 CAT6A



PN:	2311003855
Color:	Metal
Delivery:	Unit

Infrastructure Fiber Optic Solution



Application:	Indoor and outdoor
CPR:	D _{ca} -S ₂ ,d ₂ ,a ₁

FIBER TYPE	NUMBER OF FIBERS				SPECS
	4	8	12	24	
SM 9/125	2311001124	2311004353	2311001125	2311004355	Dielectric armour
OM3 50/125	2311004332	2311001126	2311001127	2311004335	LSZH sheath
OM4 50/125	2311004341	2311004343	2311004344	2311004346	Color black

WALL BOXES With different protection indexes made of metal or plastic

	Up to 4 fibers	Up to 24 fibers	Up to 72 fibers	Din Rail
PN:	2311001047	2311001056	2311001050	2311001191 + 2311001194 (12 LCD)
Protection:	IP65	IP65	IP20	IP20
Material:	ABS	ABS	Metal	Metal
	SC or LC	SC or LC	SC or LC	SC, LC or ST

19" PATCH PANEL



PN:	2311002064	2311002063
Conector type:	24x SC simplex or LCDuplex	24x SC duplex or LC Quad
Max. n° fibers:	48 fibers	96 fibers

ADAPTERS



LC Duplex	SC Simplex	SC Duplex
2311001023 (SM)	2311001014 (SM)	2311001019 (SM)
2311001010 (SM/APC)	2311001016 (SM/APC)	2311001018 (SM/APC)
2311001022 (MM)	2311001015 (MM)	2311001017 (MM)

PIGTAILS



LC	SC
2311002098 (SM)	2311002088 (SM)
2311002114 (SM/APC)	2311002089 (SM/APC)
2311002099 (OM3)	2311002090 (OM3)
2311002100 (OM4)	2311002111 (OM4)

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CAT 6 U/UTP (PVC or LSZH)



Application

Category 6 U / UTP cable built to create an Ethernet network solution that complies with Category 6, connection class E at 250MHz, in accordance with EN 50173-1 and ISO/IEC11801.

For use in indoor environments, such as offices or ITED networks.

With excellent performance and capacity, it allows data, voice and PoE (Power over Ethernet) applications to power phones, cameras or wifi access points.

Standards

- EIA/TIA 568B.2-1/568C.2
- ISO / IEC 11801
- IEC 61156-5

CPR

Cat6 U/UTP LSZH:

- DoP Number: PoliDoP020_00
- Class: D_{ca}-S₂,d₂,d₁

Cat6 U/UTP PVC:

- DoP Number: PoliDoP021_00
- Class: E_{ca}



Design

- Conductor: Solid bare copper 24 AWG
- Insulation: colour-coded PE
- Stranding: 4 pairs
- Rip cord (optional)
- Outer sheath: LSZH - White (RAL 9003) or PVC - Grey (RAL 7004)
- Rated temperature: 75°C

Electrical properties

Nominal velocity of propagation (NVP)	% of light speed	69
Max. delay skew	ns/100m	≤ 45
Max. conductor DC resistance	(Ω/100m at 20°C)	≤ 8,6
Max. insulation resistance	MΩ/km	5000
Impedance	Ω ; value at 1-250 MHz	100

Technical Data

	Operating temperature range (°C) -20 up to 70
	Minimum bending radius (Installation) 58 mm
	Max. Recommended Pulling Tension 100 N
	Flame test EN 50575 EN 50399

PN	Description	Colour	Outer sheath	Ø (mm)	Package	Weight (Kg/Km)
2311002223	CC U/UTP CAT6 4P LSZH WH POLILAN	White	LSZH	5,6±0,2	Box 305 or Reel 500m	36
2311002857	CC U/UTP CAT6 4P PVC GY POLILAN	Grey	PVC	5,6±0,2	Reel 500m	36

CAT 6A U/FTP LSZH



Application

Category 6A U / UTP cable built to create an Ethernet network solution that complies with Category 6A, connection class EA at 500MHz, in accordance with EN 50173-1 and ISO/IEC11801.

For use in indoor environments for horizontal installation or backbone of corporate networks where network performance is mandatory.

With excellent electromagnetic protection due to the shielding, it allows data, voice and PoE (Power over Ethernet) applications to power phones, cameras or wifi access points.

Standards

- EIA/TIA 568B.2-1/568C.2
- ISO / IEC 11801
- IEC 61156-5

CPR

- DoP Number: PoliDoP022_00
- Class: D_{ca}-S₂,d₂,a₁







Design

- Conductor: Solid bare copper 23 AWG
- Insulation: colour-coded PE
- Stranding: 4 pairs
- Shield: Aluminum foil in each pair
- Rip cord
- Outer sheath: LSZH - Violet (RAL 4005)

Electrical properties

Property	Unit	Value
Nominal velocity of propagation (NVP)	% of light speed	72
Max. delay skew	ns / 100m	≤ 45
Max. conductor DC resistance	(Ω / 100m at 20°C)	≤ 9,38
Max. insulation resistance	MΩ/km	5000
Impedance	Ω ; value at 1-250 MHz	100

Technical Data

	Operating temperature range (°C) -30 up to 75
	Minimum bending radius (Installation) 58,4 mm
	Max. Recommended Pulling Tension 80 N
	Flame test EN 50575 EN 50399

PN	Description	Colour	Outer sheath	Ø (mm)	Package	Weight (Kg/Km)
2311003643	CC U/FTP CAT6A 4P LSZH VT POLILAN	Violet	LSZH	7,3±0,3	Reel 500m	50

FO Cable Universal U-DQ(ZN)BH (up to 24 FO)



Application

Fiber optic cable for indoor and outdoor applications with dielectric armor.

- Rodent protected
- Compact
- Lightweight
- Flexible
- Tough
- Resistant
- Watertight
- Totally dielectric
- Reduced diameter

Standards

- Flame retardant (IEC 60332-3)
- Halogen free (IEC 60754-1/-2)
- Low smoke emission (IEC 61034-1/-2)
- Mechanical and Environmental tests according to EN 187000 and IEC 60794-1-2

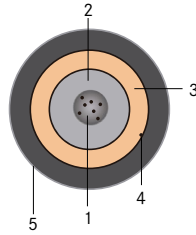
CPR

- DoP Number: PoliDoP023_00
- Class: D_{ca}-S₂,D₂,a₁



Design

1. Fibre Optics
2. Central Tube (Jelly filled)
3. Strength members
4. Ripcord
5. Outer Jacket (LSZH)



Product Specifications		
Fiber number	2 / 4 / 6 / 8 / 12	16 / 24
Central Tube (mm)	3.5 ± 0.2	4.2 ± 0.2
Strength members	Reinforced Fibreglass yarns WB (Waterblocking)	
Outer jacket	Thermoplastic LSZH	
Colour	Black	
Weight (Kg/Km)	53	60
Outer diameter (mm)	7.2 ± 0.3	7.9 ± 0.3
Max. Tensile Load (N)	1000 (Operating) / 1800 (Installation)	
Max. Crush (N/dm)	1500	
Temperature Range	-30°C to +70° C (Operating)	
Min. Bending Radius	20 x Outer diameter	
Maximum Length (m)	4000	
Fiber Color	Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise. With black stripe: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Natural - Turquoise	

Module Cat. 6A RJ45 Shielded



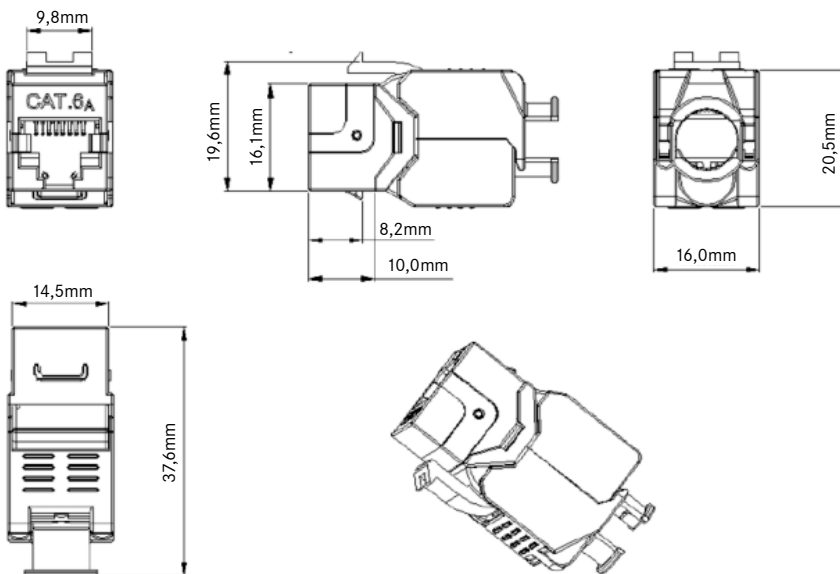
Description

This series keystone jacks work together with high speed cables, cords and panels to provide performance beyond proposed Category 6A standards. A new feature of this series jack is a universal colored wiring label that eliminates the need for separate codes for T568A/B wiring scheme.

- Available in Cat6A, T568A/B wiring, meet or exceed TIA/EIA Cat6A requirements.
- Overall zinc alloy shielding design meets the industry standards.
- Compact jack design, 8 positions and 8 conductors.
- Contact: phosphor bronze, phosphor bronze with 6 to 50µ" gold plate.
- Accept 22-26 AWG solid with a insulation diameter of 0.4-0.6 mm.
- Easy to be terminated, low attenuation loss and high return loss.
- High reliability and superior performance.



Product Dimension



Product Specifications	
Category	6A
Type Connector:	RJ45 8(8)
Screened:	Yes
AWG-range:	22-26
Special Tool:	Not necessary
Round cable:	Yes
Contact resistance (max.)	100 mΩ
Insulation resistance (min.)	500 MΩ
Return loss	5.9 dB

PN	Description
2311002859	Module RJ45 CAT6A STP

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Patch Panel 24x Ports Empty

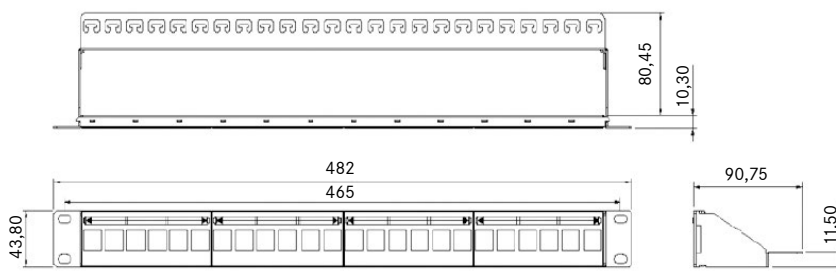
Description

The 24-port empty patch panel matches with the installation of different kinds of modular jacks, complies with Gigabit Ethernet applications, and it is suitable for interaction and termination of horizontal cabling between devices, equipment and centralized points, as well as fits for 19" equipment racks and cabinets.



- Unique exterior design, simple and compact with beautiful appearance.
- High quality engineering plastic and steel sheet with high strength.
- Ergonomic design, convenient module snap-in installation.
- Consistency black surface with any other equipment.
- Be compatible with various performance modules: shielded or unshielded.
- Solid and easy installation design saves installation and operation costs.
- Be compatible with 19-inch equipment racks, cabinets, and wall mount shelf.
- All ports are large front-end marked, easier use for operation.
- The back ends with a cable manager that effectively guides the cable to the termination point.

Product Dimension

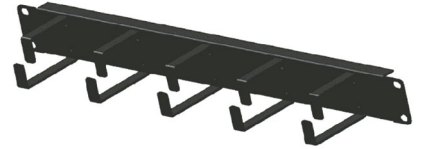


PN	Description
2311002861	PANEL KEYSTONE 24PORT EMPTY BK

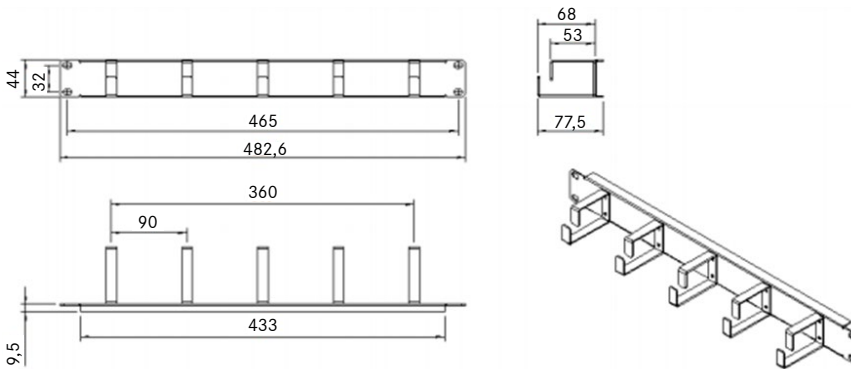
Management Cable Bar 1U BK

Description

- Management panel with 5 rings.
- Metal Sheet Black.
- Suitable for 19" Rack.
- For cable routing and management inside Racks.



Product Dimension



PN	Description
2311002862	Manage Cable Bar 19" 1U BK POLILAN

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Network Racks

Description

- Exquisite design with precise craftsmanship.
- Good compatibility, adapt to more servers. Perfect ventilation.
- Rack's side panel can be easily assembled.
- Efficient and solid cabinet connection.
- The top and bottom wiring channel can be closed and adjusted.
- Adjustable feet and heavy duty castors are available at same time.
- Loading: 800kg (with adjustable feet).
- Advanced lock.
- Surface finish: decreasing, pickling, phosphating, powder coating.
- Available in Black.
- Supplied in flat pack for easy and economy transport (divided in 3 volumes).



Materials

- Cold-rolled steel sheet.
- FRAME: 1,2 mm thickness.
- Mounting rail: 2,0 mm.
- Side panel: 1,2 mm.
- Thickness for smoky grey glass 5 mm.



Lockable side panels
Are removable with handle for better handling.



Doors
Are removable with locking latches and do not require tools.



Feet
Solid levelers and multi-directional casters.



Fans
Supplied as accessory can support up to 4 fans.

All printing errors are subject to correction in subsequent releases of this document. The specifications of all products contained are subject to change without notice.

LAPP POLICABOS. JULY 2020.

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Screened Cables

POLICONTROL®
Control Cables

POLINST®
Instrumentation Cables

POLIFLAM®
Security Cables

POLIMOV®
Rubber Cables

POLILAN®
Network Infrastructure

EDITION: OCTOBER 2020

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LAPP Portugal

Av. Pedro Álvares Cabral, 2, Lugar da Capa Rota
2710-144 SINTRA • PORTUGAL

Phone: +351 219 178 640 • Fax: +351 219 178 649
www.policabos.pt • comercial@policabos.pt