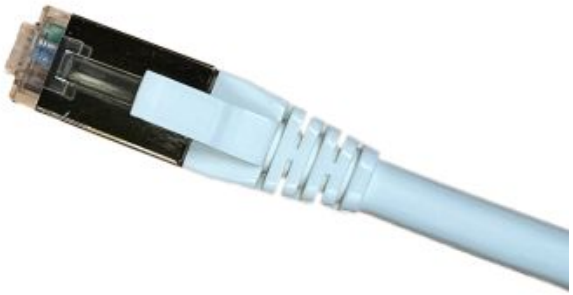
Data sheet R875946

R&Mclassic Patch Cord, Cat. 6A (ISO), shielded, gray, LSZH, TIA 568A, Plug RJ45, shielded, Plug RJ45, shielded, 3m



011.0037. / similar product

DESCRIPTION

R&Mclassic Cat.6A CL patch cords are used for connecting the network equipment to patch panels and telecommunications outlets. They are suitable for frequencies of up to 500 MHz.
Industry standard Insulation Piercing Contact (IPC) plugs are used to assemble these patch cords.
R&Mclassic Cat.6A CL patch cords fulfill the requirements of Category 6A, Class EA (500 MHz) according to the present standard of TIA-568.2 and ISO/IEC 11801. They comply with the Category 6A specifications of the IEC 60603-7 / IEC 60603-7-1 connector standard. The cords support PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4PPoE (IEEE 802.3bt) and are compatible to IEC 60512-99-001/002*. They are tested according to IEC 61935-2. The impedance is 100 Ω. Lengths from 0.5 to 20 m are available. LSZH versions are offered. The plug housing is made of UL 94-V0 polycarbonate. The contacts are made of bronze (CuSn6) with 1.27 µm gold plate. Shielding is made of brass with nickel plating. The current rating is 1.5 A at 25ºC. Dielectric withstanding voltage is 1000 VDC. Insulation resistance is ≥500 MΩ at 20°C and 100 VDC. Operating temperature is from -10ºC to +60ºC. Plug tolerances and dimensions are compliant to IEC 60603-7.
The inner conductor diameter is AWG26/7. Cable construction is U/FTP. The number of pairs is 4. The jacket is LSZH. Wiring method is standard TIA568A, optional TIA568. Jacket colours include gray, yellow, red, blue, green, orange, black, violet, and white.
* For continuous PoE applications or 4PPoE, R&M recommends to use PowerSafe patch cords.

SCOPE OF SUPPLY

• 1 pc RJ45 Patch Cord R&Mclassic - Cat.6A CL, shielded

FEATURES

• Fulfills the requirements of Category 6A, Class EA (500MHz) according to the present standard of of TIA-568.2 and ISO/IEC 11801
• Complies with the specifications of the IEC 60603-7 / IEC 60603-7-1 connector standard
• IPC wire termination according to IEC 60352-6
• Supports PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4PPoE (IEEE 802.3bt) and is compatible to IEC 60512-99-001/002 (*)
• Tested according to IEC 61935-2
• Lengths from 0.5 to 20m available
• Impedance of 100Ω
• LSZH versions, conforming to IEC 60754-1, IEC 61034, IEC 60332-1-2
• Available in gray (standard) and 8 additional different colors (yellow, red, blue, green, orange, black, violet, white)

(*) For continuous PoE applications or 4PPoE, R&M recommends to use PowerSafe patch cords.

TENDER

RJ45 patch cord for structured copper cabling, compliant with Category 6A, Class E (500 MHz) according to TIA-568.2 and ISO/IEC 11801. The cord supports PoE (IEEE 802.3af), PoEP (IEEE 802.3at), and 4PPoE (IEEE 802.3bt), and is compatible

with IEC 60512-99-001/002. It is tested in accordance with IEC 61935-2 and provides 100 Ω impedance. The plug housing is made of UL 94-V0 polycarbonate with contacts from bronze (CuSn6) and 1.27 µm gold plating. Shielding is brass with nickel plating. Electrical properties include a current rating of 1.5 A at 25°C, dielectric withstanding voltage of 1000 VDC, and insulation resistance ≥500 MΩ at 20°C / 100 VDC. The plug dimensions are IEC 60603-7 conform.
The cable construction is U/FTP with 4 pairs, using inner conductors AWG26/7. Jacket material is LSZH and available in multiple colours: gray, yellow, red, blue, green, orange, black, violet, and white. Wiring method: standard TIA568A, optional TIA568B. Operating temperature range: -10°C to +60°C. Available lengths from 0.5 to 20 meters.

* For continuous PoE or 4PPoE applications, R&M recommends the use of PowerSafe patch cords.

Manufacturer: R&M

Type: RJ45 Patch Cord R&Mclassic Cat.6A CL

Delivery Unit: 1 piece

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Cable type	Patch cord
Outer sheath material	LSZH
Cable sheath characteristics	zero-halogen
	Cable, metal-free
Wire type	stranded wire
Number of wires	8
Stranding	4 x 2 pairs
Wire diameter	AWG 26/7
Shielding	U/UTP
Cable overall diameter	6.0 mm
Category connector (A)	Cat. 6A
Category connector (B)	Cat. 6A
Connector type (A)	RJ45
Shielding connector (A)	shielded
Shielding connector (B)	shielded
Protection class IP	IP 20
PoE	Yes
Connector class	connector
Wiring diagram	TIA-568A