



Cat.6A EL Patch Cords

R&Mfreenet Cat.6A 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.

Features of Cat.6A

- Fulfill the requirements of Category 6A, Class EA (500MHz) according to the present standard of the ISO/IEC 11801.
- Complies with the Category 6A specifications of the IEC 60603-7-41 / IEC 60603-7-51 standard with the Cat.6A connection module
 - Tested according to IEC 61935-2
- Each individual patch cord are tested transmission technology
- Can also use as Cat5e or Cat6 (backwards compatible)
- Strain relief are provided with wide function
- Strain relief according to TIA/EIA-568-B.1-1
- Lengths from 0.5 ,to 15m available
- Colors in grey, yellow, red, blue, Blue (0.5 Mtr to 15Mtrs), orange and black(1,2,3&5)
- Impedance of 100 ohm
- Shielded and unshielded in LSZH versions available
- R&M Security system 1+3
- R&M environment system

Cat.6A Patch Cords Data Sheet

Materials

Plug Housing	Contacts	Contact Plating	Shielding
UL 94-V0 polycarbonate	Phosphor bronze (CuSn6)	0,7 µm selective gold plate	Tin-plated brass

Electrical Characteristics

Current Rating	Voltage Rating	Dielectric Withstanding Voltage	Insulation Resistance @20°C 100-500V DC @
1,5A (Maximum)@ 25°C	150 Veff (Maximum)	700 VAC, 1 min (60 Hz)	5000 MΩ.m (Minimum)

Mechanical Characteristics

Plug Tolerances and Dimensions	Operating temperature
Compliant IEC 60603-7	-20°C to 60°C

Patch Cord Characteristics Cat.6A

	U/UTP	U/FTP
Inner conductor diameter	AWG26/7	AWG26/7
Number of pairs	4	4
Screen 1 pair	Non	AL/ Folie
Outer screen	Non	Cu-braid
Jacket	LSZH	LSZH
Jacket Thickness	0.51 mm	0.51 mm
Bending Radius	Min.8x Cable Diameter	Min.8x Cable Diameter
Outer Diameter	max. 6.5 mm	max. 6.5 mm

Part Code	Description
R834181	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 0.5Mtr
R830761	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 1Mtr
R834182	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 1.5Mtr
R830762	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 2Mtr
R830763	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 3Mtr
R830764	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 5Mtr
R834183	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 7.5Mtr
R834184	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 10Mtr
R834185	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 12.5Mtr
R834186	Cat.6A EL U/FTP Patch Cord, LSZH, Blue, 15Mtr

Part Code	Description
R834210	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 0.5Mtr
R830805	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 1Mtr
R834211	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 1.5Mtr
R830806	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 2Mtr
R830807	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 3Mtr
R830808	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 5Mtr
R834212	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 7.5Mtr
R834213	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 10Mtr
R834214	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 12.5Mtr
R834215	Cat.6A EL U/UTP Patch Cord, LSZH, Blue, 15Mtr