



Patch Cords Cat.6

R&M *Firenet* Cat.6 patch cords are used for connecting the network equipment to patch panels and telecommunications outlets. They are suitable for frequencies of up to 250 MHz.

Features of Cat.6

- Fulfill the requirements of Category 6, Class E (250MHz) according to the present standard of the ISO/IEC 11801.
- Comply with the Category 6 specifications of the IEC 60603-7-4 / IEC 60603-7-5 components standard with the Cat.6 connection module
- Tested of IEC 61935-2
- PoE and PoE+ compatible according IEC 60512-99-001
- Each individual patch cord is tested
- Can also used as Cat5e (backwards compatible)
- Colour coding for service identification
- Strain relief are provided with wide function
- Strain relief according to TIA/EIA-568-B.1-1
- Labelling possible on the strain relief or on the color coding
- Lengths from 0.5 to 20m available
- Shielded and unshielded version available
- Impedance of 100 ohm
- LSZH (U/UTP) and LSFRZH (S/FTP) versions
- R&M Security system
- R&M environment system
- Certified from 3P

Plug characteristics

Materials

Criteria	Date / value
Plug housing	Polycarbonate (PC), UL 94-V0
Contacts	Phosphor bronze (CuSn6)
Contact plating	0,7 µm selective gold plate
Shielding	Tin-plated brass

Electrical characteristics

Criteria	Date / value
Current rating (at 25°C)	< 1,5A
Voltage rating	< 150 V _{eff}
Electric strength	> 1000 V _{eff} , 1 min (60Hz)
Insulation resistance	> 500 MΩ

Mechanical characteristics

Criteria	Date / value	Standard
Plug Tolerances and Dimensions	Compliant	IEC 60603-7

Environmental characteristics

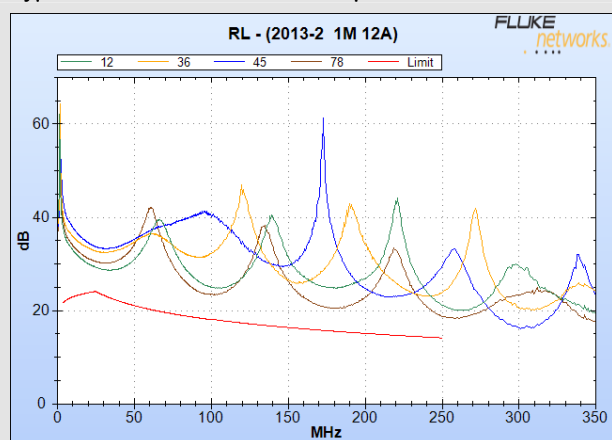
Criteria	Date / value
Operating temperature	-10°C to +60°C

Cable characteristics

Criteria	U/UTP	S/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	LSFRZH
Outer diameter	max. 6.0 mm	max. 6.2 mm

Measured values

Typical Return Loss Cat.6 UTP patch cord 1m



Typical NEXT Cat.6 UTP patch cord 1m

