



Cat.6 Patch Cords

R&Mfreenet 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
- Each individual patch cord is tested and marked with quality stamp
- 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
- Impedance of 100 ohm
- PVC, LSZH and LSFRZH versions
- R&M Security system
- R&M environment system

Cat.6 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 |
|----------------------|----------------------|---------------------------------|-----------------------|
| 1,5A (maximum)@ 25°C | 150 VAC (maximum) | 1000 VAC, 1 min (60 Hz) | 500 MO (minimum) |

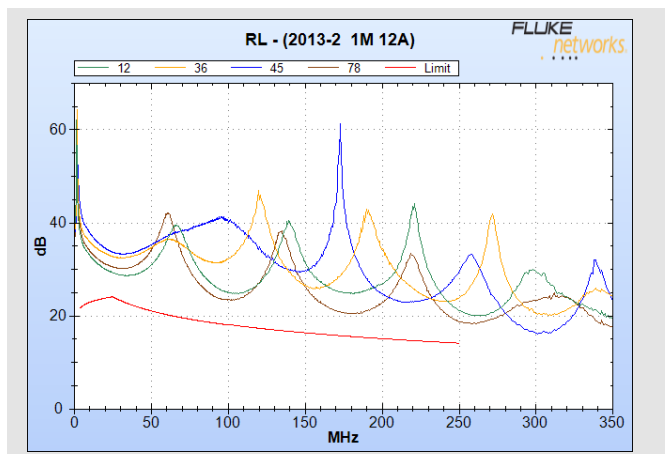
Mechanical Characteristics

| Plug Tolerances and Dimensions | Environmental Characteristics |
|--------------------------------|---|
| Compliant IEC 60603-7 | Operating Temperature -10°C to -60°C |

Patch Cord Characteristics Cat.6

| | 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 | PVC or LSZH | PVC or LSFRZH |
| Aussendurchmesser | max. 6.0 mm | max. 6.2 mm |

Typical Return Loss Cat.6 UTP patch cord 1m



Typical NEXT Cat.6 UTP patch cord 1m

