



## Cat.5e Patch Cords

R&Mfreenet Cat.5e patch cords are used for connecting the network equipment to patch panels and telecommunications outlets. They are suitable for frequencies of up to 100 MHz.

### Features of Cat.5e Patch Cord

- Fulfills the requirements of Category 5e, Class D (100MHz) according to the present standard of the ISO/IEC 11801.
- Complies with the Category 5e specifications of the IEC 60603-7-2 / IEC 60603-7-3 components standard with the Cat.5e connection module.
- 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
- Each individual patch cord is tested.
- Colour coding for service identification.
- Ultra stable strain relief.
- Strain relief according to TIA/EIA-568-B.1-1.
- Slim jack dimensions: 41.1 x 11.7 x 6.6mm (length x width x depth).
- Lengths from 0.5 to 20m available.
- Impedance of 100Ω.
- PVC and LSFRZH versions.
- R&M security system.
- R&M environment system.
- 3P certified (in channel)



## Cat.5e Patch Cords Data Sheet

### Materials

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

### Electrical Characteristics

General	Current Rating	Dielectric Withstanding Voltage	Insulation Resistance @20°C 500VDC
Compliant to 60603-7	1.5A @ 25°C	1000 VDC	≥2000 MΩ * km

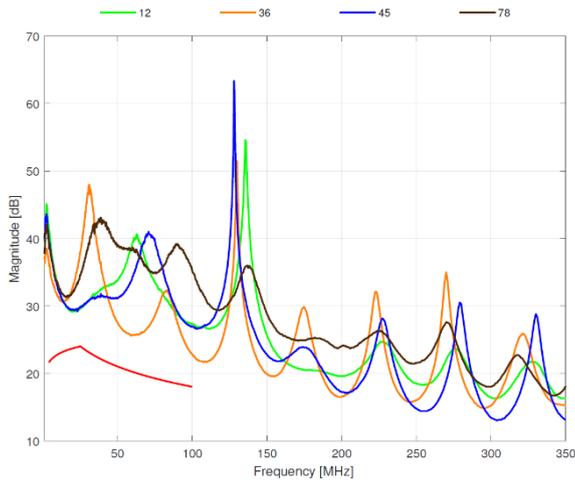
### Mechanical Characteristics

Plug Tolerances and Dimensions	Environmental Characteristics
Compliant to IEC 60603-7	Operating Temperature -20°C to +60°C

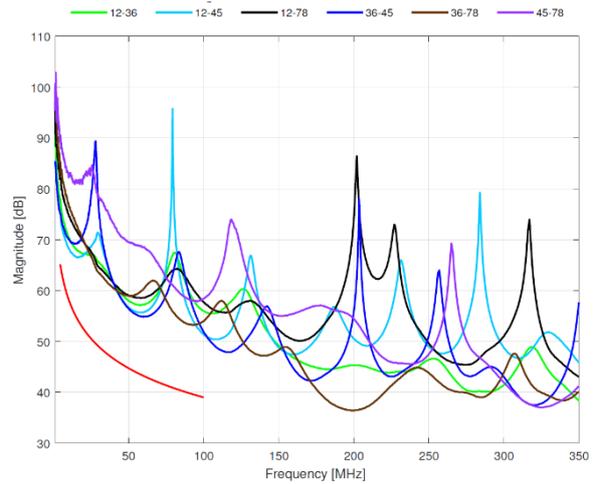
## Patch Cord Characteristics Cat.5e

	U/UTP	SF/UTP
Inner conductor diameter	AWG26/7	AWG26/7
Number of pairs	4	4
Screen per pair	None	None
Outer screen	None	Braid + AL foil
Jacket	PVC or LSZH	LSZH or LSFRZH
Bending radius	≥35mm operation (without load) ≥60mm installation (with load)	≥25mm operation (without load) ≥50mm installation (with load)
Outer diameter	max. 6.0 mm	max. 5.8 mm

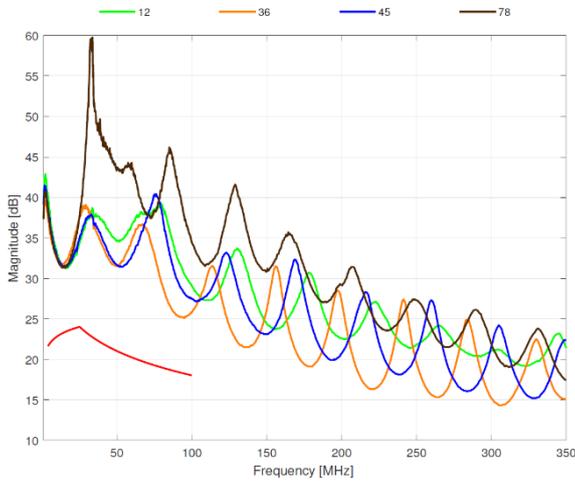
Typical Return Loss Cat.5e U/UTP patch cord 2m



Typical NEXT Cat.5e U/UTP patch cord 2m



Typical Return Loss Cat.5e SF/UTP patch cord 2m



Typical NEXT Cat.5e SF/UTP patch cord 2m

