

Technical Data Sheet



R&M Cat. 5e Patch Cords

Technical Data Sheet

Cat.5e Patch Cords

R&Mfreenet Cat.5e patch cords are used for connecting the network equipment to patch panels and telecommunications outlets, and to cross connect between various applications and end users.



Features of Cat.5e

- Comply with the requirements of ISO/ IEC 11801, EN50173, EN 50168 and EIA/ TIA 568A specifications
- Fulfil the latest testing specifications of the EIA/ TIA 568A Amendment 4 (Patch Cord Qualification Test)
- Assembled with RJ 45 plugs according to IEC 60603-7/
- Shielded, unshielded and shielded/ unshielded versions available
- Lengths from 0.5 to 20 m available

- Impedance of 100 ohm
- PVC and LSFROH versions available
- New Strain relief are provided with wide function
- Strain relief function according TIA/EIA-568-B.1-1
- Colour Coding with replaceable, easy to use, highly visible colour clips
- Unleaded in accordance with EU directive
- R&M Security system
- R&M Environment system

Date sheet Cat. 5ePatch Cords

Materials

Plug Housing	Contacts	Contact Plating	Shielding
UL 94 V0-rate polycarbonate	Phosphor bronze	(1.20µm) selective gold plate	Tin-plated brass

Electrical Characteristics

Current Rating	Voltage Rating	DielectricWithstandingVoltage	Insulation Resistance
1.5 A (Maximum)@ 25°C	150 VAC (Maximum)	1000 VAC, 1 min. (60 Hz)	500 MO (minimum)

Mechanical Characteristics

Plug Tolerances and Dimensions
Compliant with IEC 60603-7 requirements

Environmental Characteristics

Operating Temperature
-10°C to 60°C

Patch cord Characteristics Cat. 5E

	UTP/	S-FTP
Inner conductor diameter	Stranded copper AWG26	Stranded copper AWG26
Number of pairs	4	4
Screen 1 pair	Non	Non
Outer screen	Non	Cu-braid+ AL/ polyester foil
Jacket	PVC	PVC or LSFROH
Overall diameter	5.1 mm	5.5 mm
Bend Radius	25 mm	30 mm

