

Qualified Partner Programme QPP

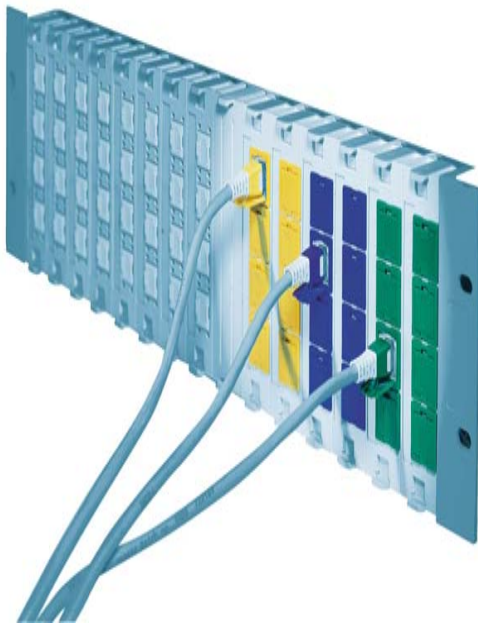
RJ45 Patch Cords

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Convincing cabling solutions

RJ45 patch cords



- The patch cords of the R&Mfreenet cabling system are used for connecting network equipment with patch panels, telecommunications outlets with user equipment (work area cables) and cross-connect patch panels (patch cords). In addition are sometimes used to interconnect consolidation points to pole or posts and MUTOs

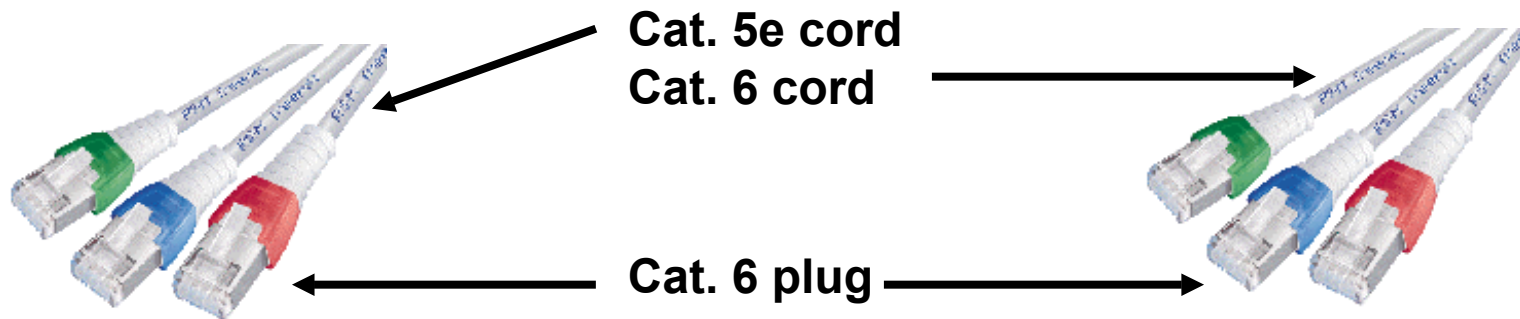
There are three different assortments available:

- Cat. 5e patch cords (*CLASSICsystem*)
- Cat. 6 patch cords (*STARsystem*)
- Customised patch cords



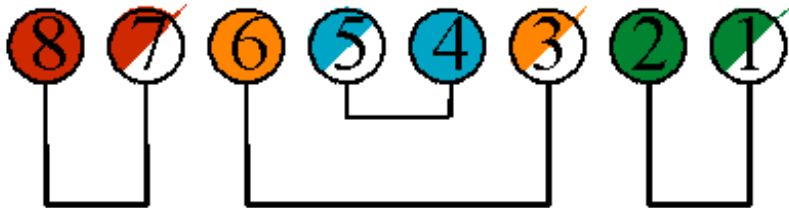
RJ45 patch cords

- R&Mfreenet patch cords are designed, manufactured and tested according to latest releases of cabling standards. They fulfil the requirements of class De (classic) or E (star) according to latest draft of ISO/EN and TIA and are tested to conform (classic) even to TIA AM4.
- They are manufactured using R&Mfreenet Cat. 6 plug and proper category (Cat. 5e and Cat. 6) cord. They can also be manufactured with solid conductors with the greatest reliability thanks to unique IDC contact of the plug.

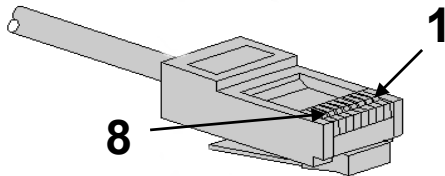


RJ45 patch cords

Recommended wiring



Pin assignment of RJ45 plugs



Features

- All patch cords by R&M are fully Gigabit Ethernet-capable.
- Thanks to their performance, well above existing Standards, the Cat. 6 patch cords will be the ones to be used in the future **Multi-Gigabit applications**.
- Pairs crossover by special patented method to assure consistency of performances.
- Contacts on double layer to separate conductors and reduce NEXT.
- Ready for security features.
- 100% tested for RL and NEXT.

RJ45 Cat. 5e patch cords



Features

- Comply with the Cat. 5e requirements of the ISO/IEC 11081, EN 50173, and EIA/TIA 568 A, EN 50168 specifications.
- Fulfil the new test specifications of the EIA/TIA 568 A Amendment 4 (patch cord qualification Test).
- Assembled with RJ45 plugs in accordance with IEC 603-7/Class A.

RJ45 Cat. 5e patch cords



Features

- Colour differentiation of the patch cords by means of 8 different colour clips to identify different applications.
- Available in UTP and shielded on one or both ends.

RJ45 Cat. 5e patch cords



Features

- Available without boots in order for our mechanical RJ45 "Data Safe Lock" keying system to fit.
- Available in lengths of 0.5 up to 20 m.
- Impedance of 100 ohm.
- UTP available in PVC as well as LSOH and S-STP in PVC as well as LSFROH version.
- UL/CSA approved.

RJ45 Cat. 6 patch cords



Features

- Fulfil Cat. 6, Class E (250 MHz) requirements in accordance with the new ISO/IEC standard recommendations.
- With the Cat. 6 connection module compliant with Cat. 6 values of the component standard IEC 603-7-x-x
- The plug corresponds to the latest proposals of the TC48 (plug committee).

RJ45 Cat. 6 patch cords



Features

- Every single patch cord is tested for transmission performance (**RL + Next**) and marked with quality stamp.
- Can be used for Cat. 5e applications (fully backwards compatible).
- New strain relief concept to maintain cord geometry and reduce RL.
- Extended colour coding to differentiate applications.

RJ45 Cat. 6 patch cords



Features

- Numbering label can be applied on the strain relief or the colour coding clip.
- The mechanical "Data Safe Lock" keying system can be mounted directly without any manual operation.
- Available in UTP and shielded versions (one or both ends) as well as in lengths of 0.5 up to 20 m.
- 100 Ohm impedance. Available are PVC, LSOH and LSFROH versions.

Colour coding for Cat. 5e + 6 patch cords

- Colour coding, available in 8 different colours, allow end user to mark and identify your patch cords.
- The colour coding can be snapped onto the strain relieves within seconds. In case of changes they are just as swiftly exchanged.

Colour coding



Colour coding for Cat. 5e + 6 patch cords

Features

- Simple, Immediate and clearly visible identification of the assigned network service.
- Exchangeable and re-usable colour codes.
- Room for numbering labels or logo.
- Halogen-free material.

Accessories

- Safety clip for patch cords
Prevents accidental disconnections
- Data safety locks
Prevents wrong connections by means of mechanical keying.

