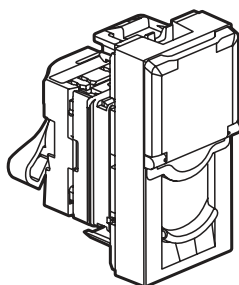


Myrius
Cat. 6 UTP RJ 45 socket

Cat. no(s): 6 730 55

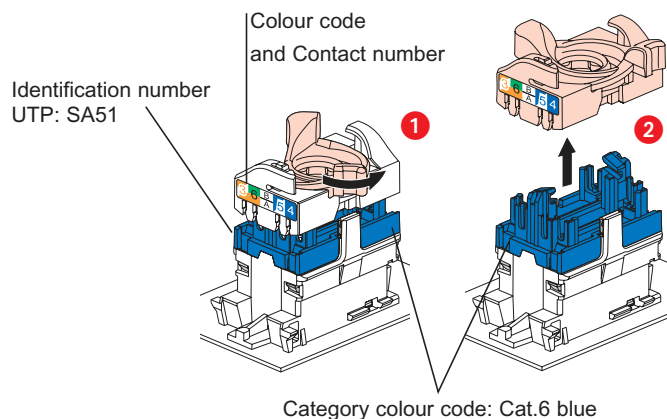


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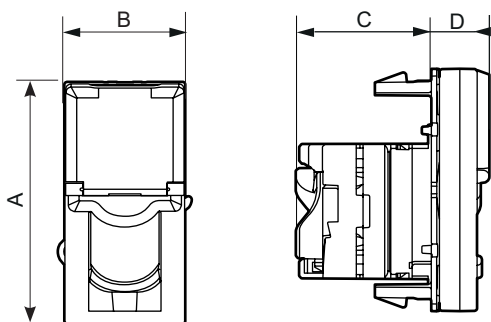
1. USE

RJ 45 socket Cat 6 UTP white - 1 module. Allows high-speed transmissions (Gigabit Ethernet) : telephone, data, television, shaver sockets and cable outlets.

2. PRESENTATION



3. OVERALL DIMENSIONS



Cat. No.	A	B	C	D
6 730 55	45	22,5	25,2	10,9

4. MOUNTING

Mechanisms can be flush-mounted or surface-mounted.

5. TECHNICAL FEATURES

5.1 Characteristics of the materials

Contacts : gold/nickel, minimum thickness of gold >0.8 μm
Metal parts: bronze, nickel, platinum, gold
PBT Polycarbonate

5.2 Electrical characteristics

Breakdown voltage ≥ 1000 V
Contact resistance ≤ 20 mΩ
Insulation resistance ≥ 500 MΩ under 100 V DC
Connector tested and guaranteed under PoE restrictions, IEEE 802.3af standard and PoE+, draft standard 802.3at, up to 2500 on-load connections/disconnections.
Tests are carried out with 2 simultaneous POE + circuits for a minimum total power of 50W

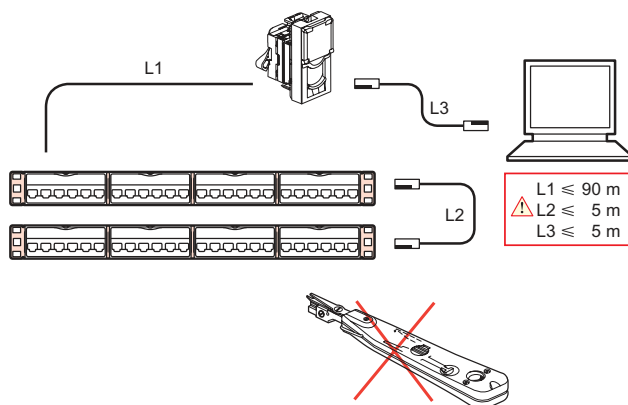
5.3 Mechanical characteristics

Max. number of connections/ disconnections: 5 without re-preparing the wire
Endurance: 2500 operations (mating/extraction)
IK03

5.4 Climatic characteristics

Operating temperatures: -40°C to +70°C
Humid heat 21-day cycle

6. CONNECTION



Myrius Cat. 6 UTP RJ 45 socket

Cat. no(s): 6 730 55

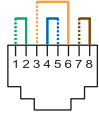
7. STANDARD RJ 45 CONNECTION

Takes the following plugs:

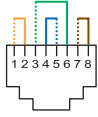
RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts).

EIA/TIA 568 A and B dual colour code on terminals:

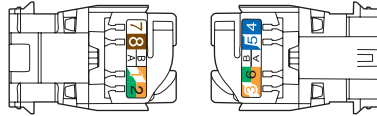
- UTP 8 contacts



EIA 568 A



EIA 568 B

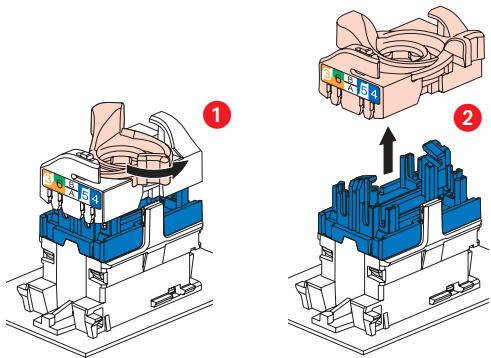


Permitted conductors:

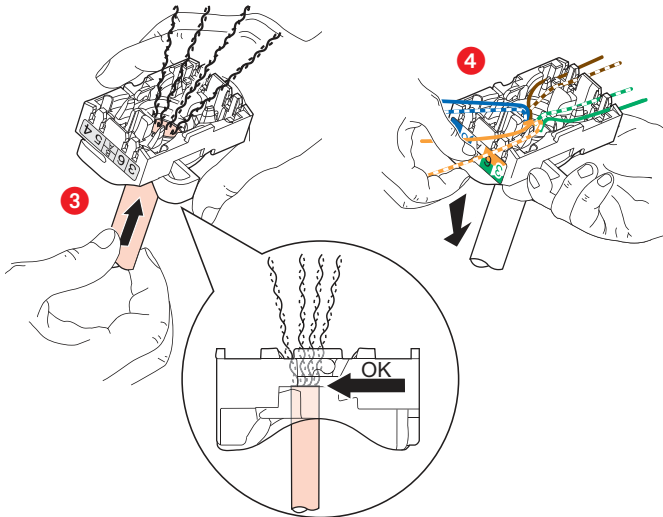
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

Number of wires to be connected per connection: 1

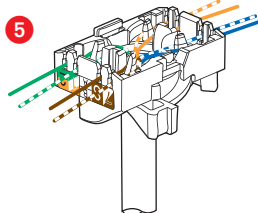
RJ 45 connectors are equipped with a locking nut. They do not require a special tool and can be re-wired if a mistake is made.



This system allows the wire pairs to be spread easily before mounting them on the connector.



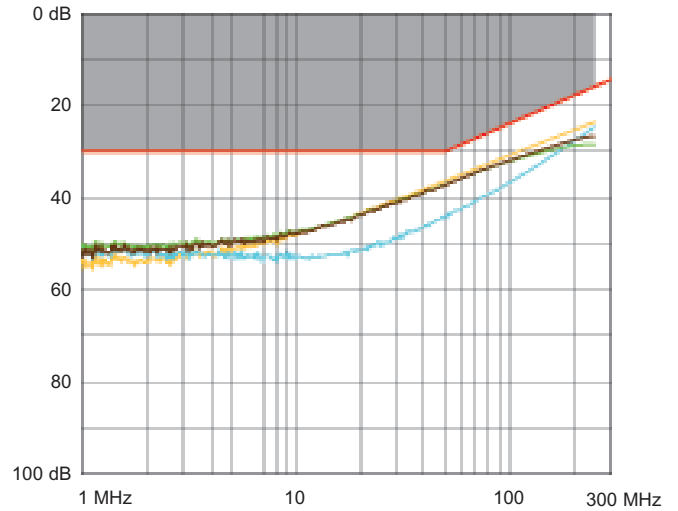
Spreading the cables allows you to ensure that a pair-breakage distance of 13 mm is kept between each pair. Spreading pairs at 90° to the cable ensures the best possible performance.



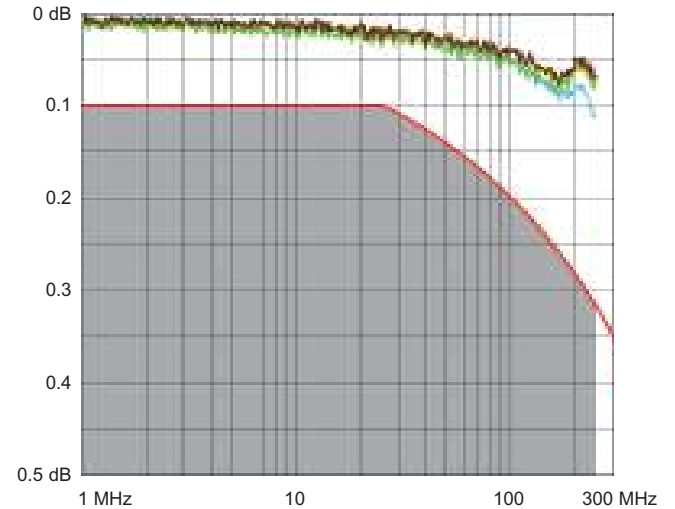
8. PERFORMANCE

8.1 Component performance (RJ 45 connectors)

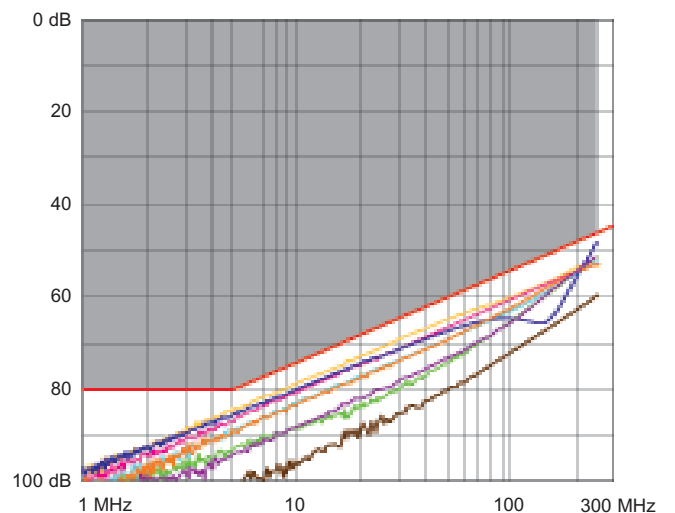
Return loss



Attenuation

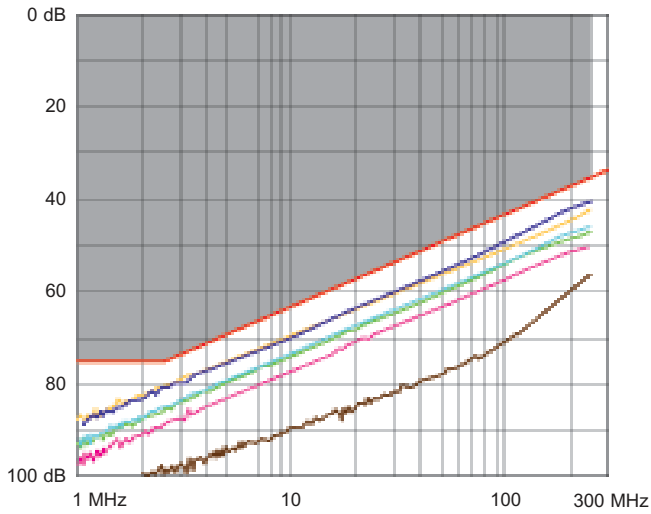


NEXT (Near end Crosstalk Attenuation)

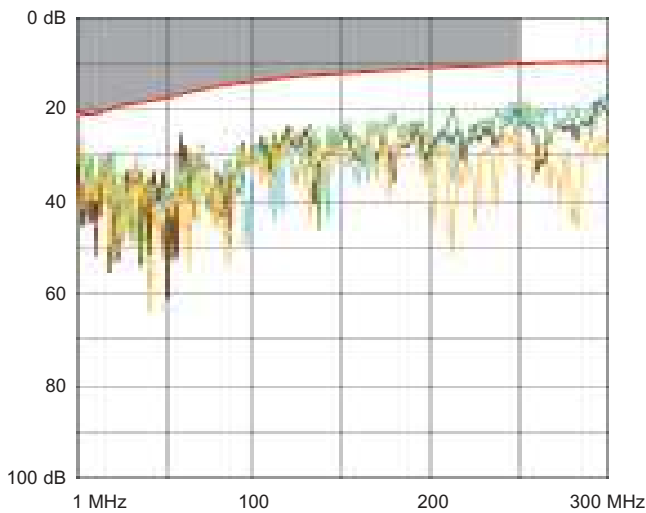


8. PERFORMANCE (cont.)

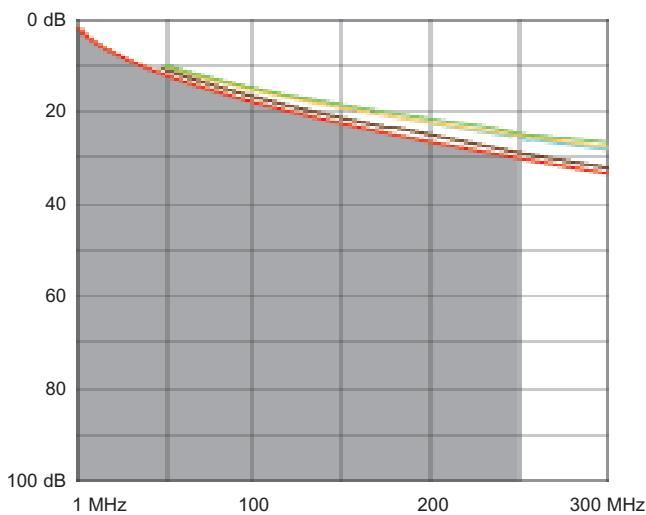
8.1 Component performance (RJ 45 connectors) (cont.)
 FEXT (Far end Crosstalk Attenuation)



8.2 Performance of permanent link with F/UTP cable
 Return loss

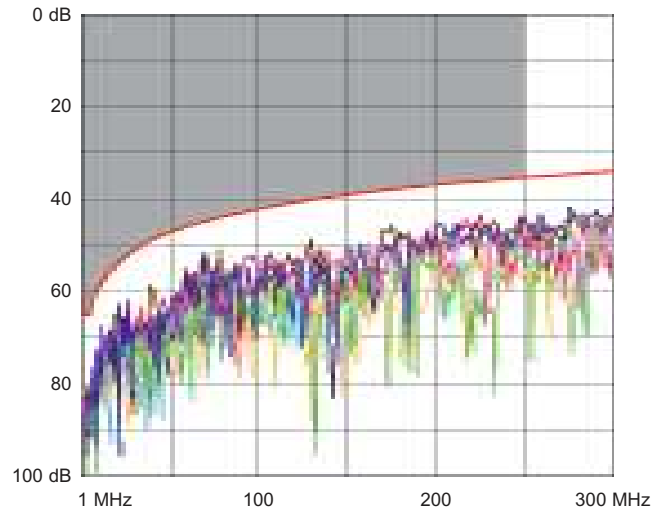


Attenuation

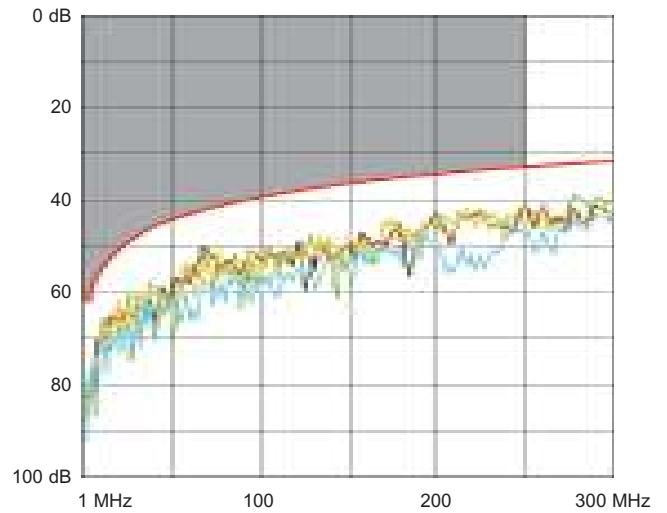


8. PERFORMANCE (cont.)

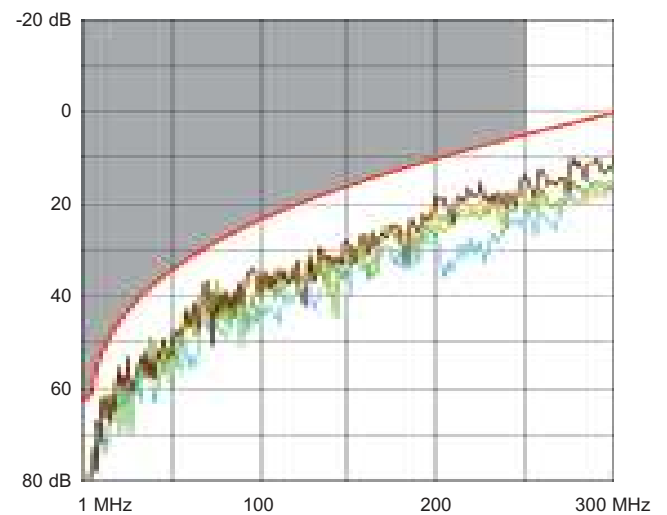
8.2 Performance of permanent link with F/UTP cable (cont.)
 NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

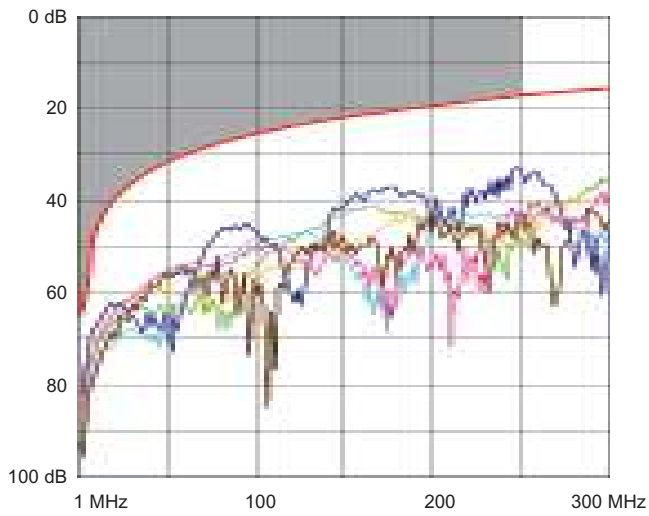


ACR-N (Attenuation to Crosstalk Ratio)

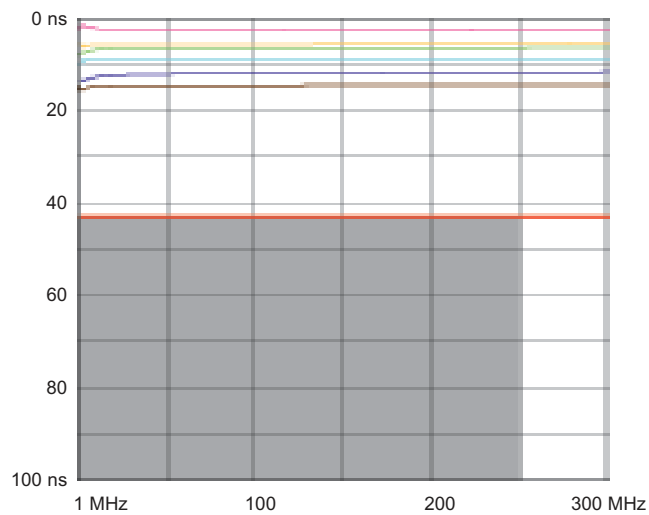


8. PERFORMANCES (cont.)

8.2 Performance of permanent link with F/UTP cable (cont.)
ACR-F (Equal Level End Crosstalk Attenuation)



Delay skew



9. STANDARDS AND APPROVALS

Compliant with standards: ISO/IEC 11801 Edition 2
CENELEC EN 50173-1 2007
ANSI/EIA/TIA 568-C.2
IEC series 60603-7