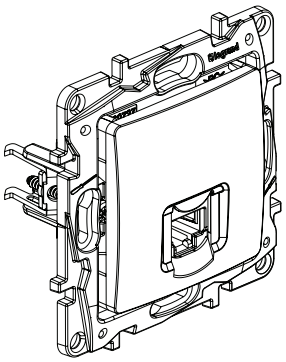
128, av. du Maréchal-de-Lattre-de-Tassigny - 87045 LIMOGES Cedex
Tel.: 0 (+33) 5 55 06 87 87 - Fax: 0 (+33) 5 55 06 88 88
www.legrand.com

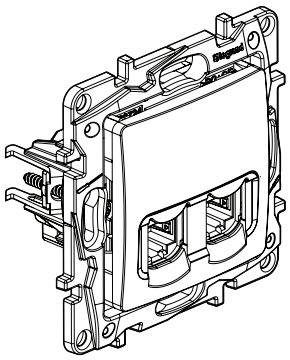
Niloé™ sélection

LCS² Cat. 6 RJ 45 socket

Cat. No(s): 7 621 73/74/75/76/77/78
7 622 73/74/75/76/77/78
7 623 73/74/75/76/77/78
7 624 73/74/75/76/77/78



7 62X 73/75/77



7 62X 74/76/78

1. USE

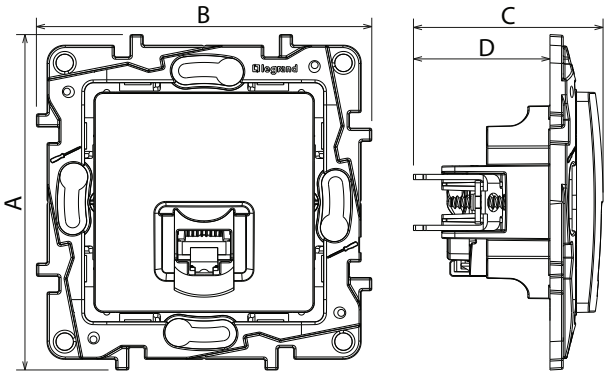
Category 6 RJ 45 socket for high speed transmission (Gigabit Ethernet).
The mechanism can be flush-mounted or surface-mounted in 40 mm depth box min.
To be equipped with frame and plates.
Fixing with clips.

2. RANGE

	Description	Aluminium	Antharcite	Smoked grey	Pearl
UTP	Cat. 6 RJ 45 socket - 1 module	7 621 73	7 622 73	7 623 73	7 624 73
	Cat. 6 RJ 45 socket - 2 modules	7 621 74	7 622 74	7 623 74	7 624 74
STP	Cat. 6 RJ 45 socket - 1 module	7 621 75	7 622 75	7 623 75	7 624 75
	Cat. 6 RJ 45 socket - 2 modules	7 621 76	7 622 76	7 623 76	7 624 76
FTP	Cat. 6 RJ 45 socket - 1 module	7 621 77	7 622 77	7 623 77	7 624 77
	Cat. 6 RJ 45 socket - 2 modules	7 621 78	7 622 78	7 623 78	7 624 78

Cat. No(s): 7 621 73/74/75/76/77/78
7 622 73/74/75/76/77/78
7 623 73/74/75/76/77/78
7 624 73/74/75/76/77/78

3. DIMENSIONS (mm)

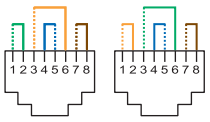


References	A	B	C	D
7 621 73/74/75/76/77/78	75.8	75.8	42.85	30.85
7 622 73/74/75/76/77/78				
7 623 73/74/75/76/77/78				
7 624 73/74/75/76/77/78				

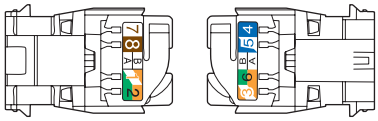
4. CONNECTION

Accepts the following cable connectors:
RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts).

Double colour code EIA - TIA 568 A and B on terminals:
UTP 8 contacts
FTP 9 contacts
STP 9 contacts 360° screen

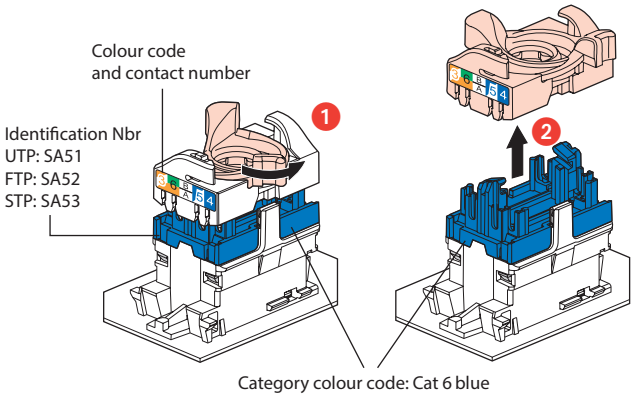


EIA 568 A **EIA 568 B**



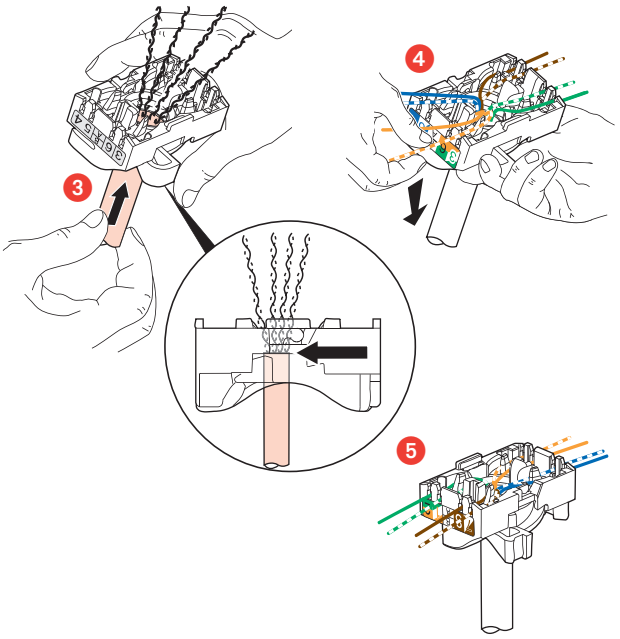
Conductors supported:
- Single-wire: 0.5 to 0.65 mm, AWG 22 to 25
- Multiple-wire: AWG 26
- Polyethylene conductor insulation: max. Ø with insulation 1.58 mm

RJ 45 connectors are equipped with a locking nut that does not require the use of a specific tool and which enables re-cabling in the event of error.



4. CONNECTION *(continued)*

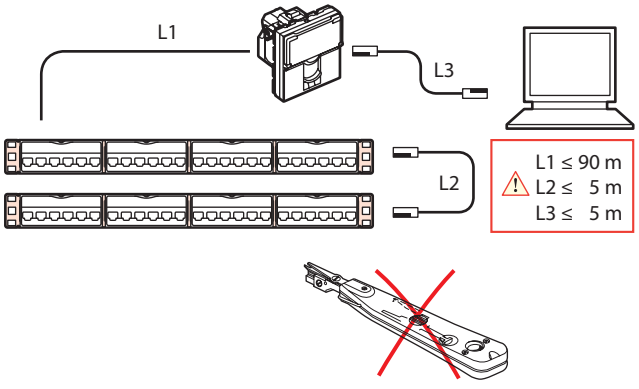
This system allows the wire pairs to be spread easily before mounting them on the connector.



Spreading cables ensures that each pair is separated by the specified 13 mm.
Spreading pairs by 90° in relation to the cable ensures optimum performance.

5. FUNCTION

Installation



6. TECHNICAL CHARACTERISTICS

■ 6.1 Mechanical characteristics
Impact resistance: IK 03
Penetration against solid bodies and liquids: IP 20
Max. number of connections and disconnections: 5 without refreshing the wiring.
Endurance: 2500 movements (plug insertion/withdrawal).

■ 6.2 Material characteristics
Contacts: Gold/nickel, minimum thickness of gold > 0.8 µm
Metal parts: Bronze, nickel, platinum, gold
For STP products the body and the spreader are made of metal alloy with a copper-nickel coating.

Base: Polycarbonate
Cover plate: Polycarbonate
Halogen-free
UV-resistant

Self-extinguishing:
850°C/30 s for insulating parts holding live parts in place
650°C/30 s for the other insulating part

■ 6.3 Electrical characteristics
Breakdown voltage ≥ 1000 V
Contact resistance ≤ 20 mΩ
Insulation resistance ≥ 500 mΩ at 100 Vdc

■ 6.4 Climate characteristics
Storage temperature: -10°C to +70°C
Operating temperature: -5°C to +35°C

7. CLEANING

Clean the surface with a cloth.
Do not use acetone, tar-removing cleaning agents or trichloroethylene.

■ 7.1 Resistance to cleaning products
Resistant to the following products: hexane (NF C 61-314), methylated spirit, soapy water, diluted ammonia, bleach diluted to 10%, window-cleaning products, pre-impregnated wipes.

■ 7.2 Resistance to hospital grade cleaning products
Resistant to the following products: Anios, Surfanios, Bactilysine, diluted hydrogen peroxide (35%).

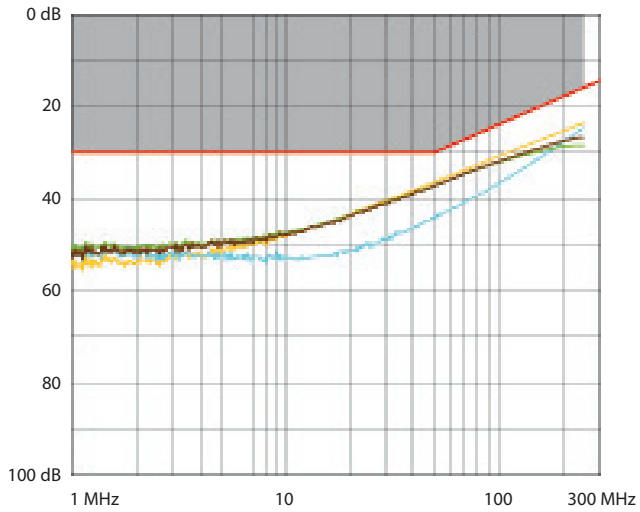
Caution: Always test before using other special cleaning products.

8. STANDARDS AND APPROVALS

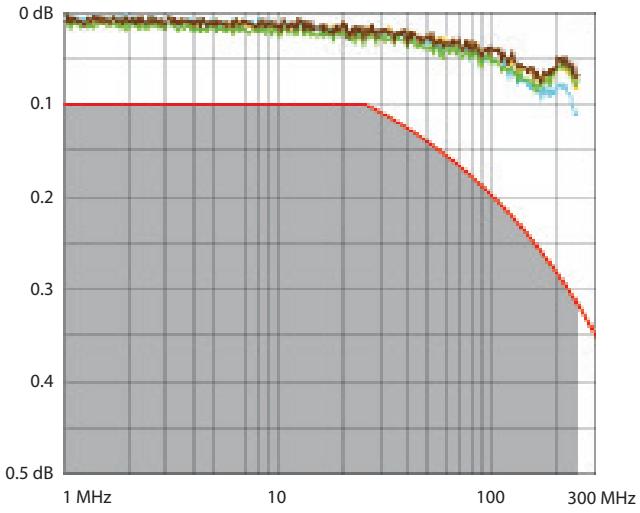
Comply with installation and manufacturing standards.
See e-catalogue.

9. PERFORMANCE

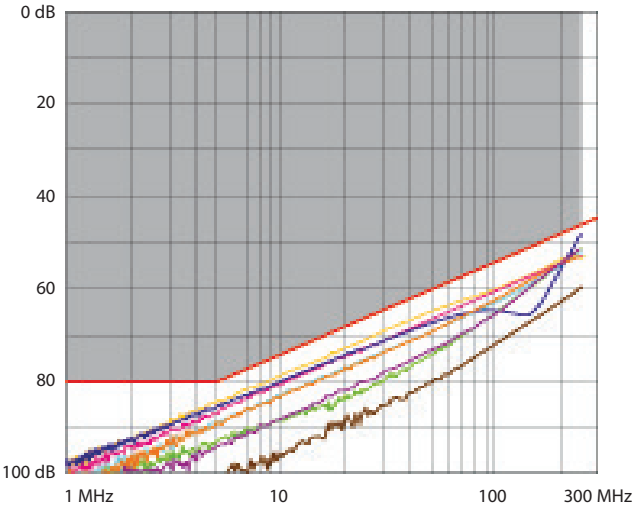
■ 9.1 Component performance (RJ 45 connectors)
Return loss



Attenuation



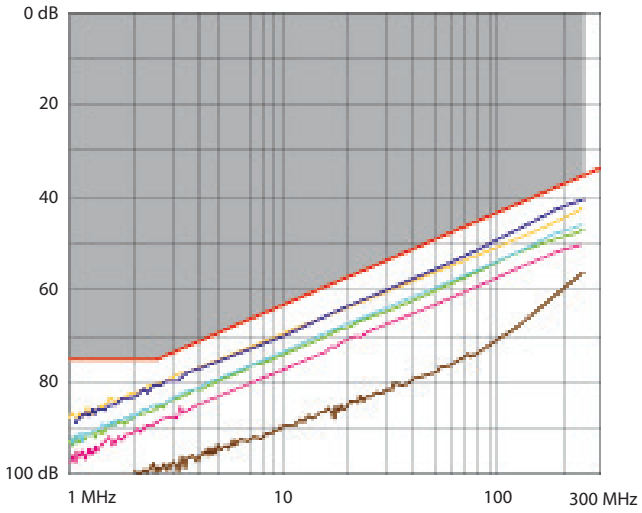
NEXT (Near end Crosstalk Attenuation)



9. PERFORMANCE *(Cont.)*

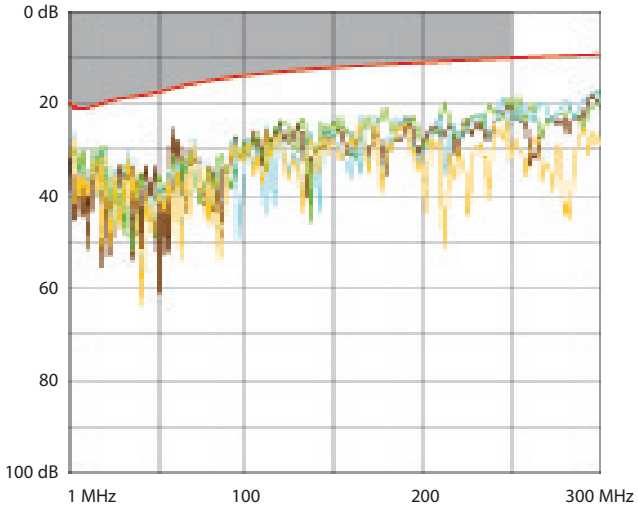
■ 9.1 Component performance (RJ 45 connectors) *(cont.)*

FEXT (Far end Crosstalk Attenuation)

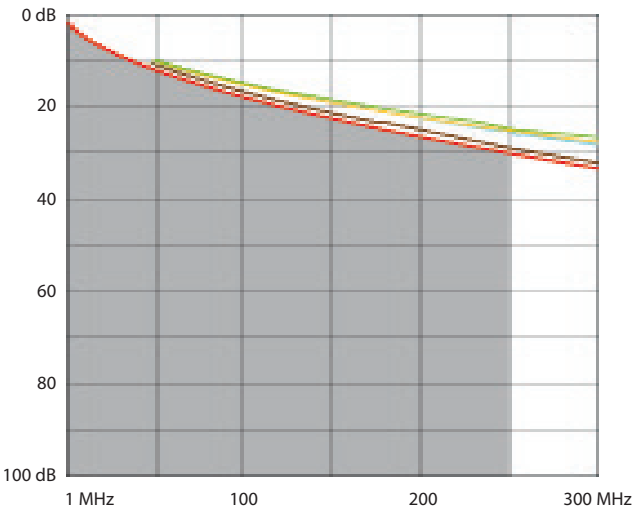


■ 9.2 Performance of permanent link with F/UTP cable

Return loss



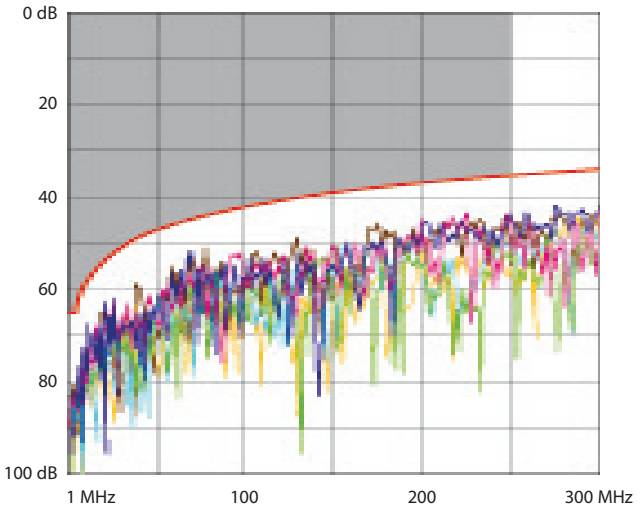
Attenuation



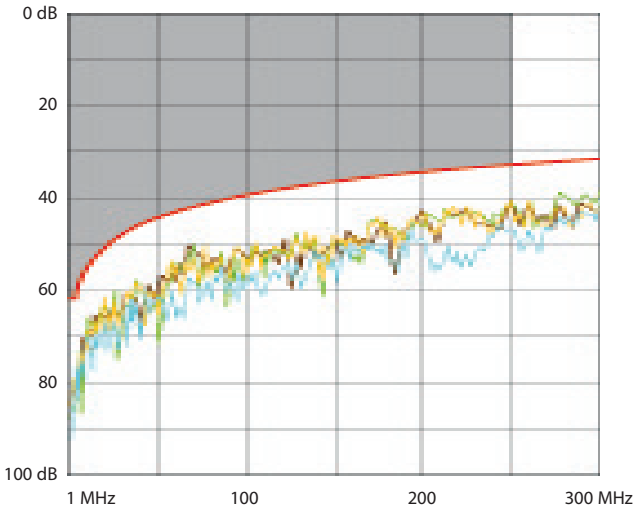
9. PERFORMANCE *(Cont.)*

9.2 Performance of permanent link with F/UTP cable *(Cont.)*

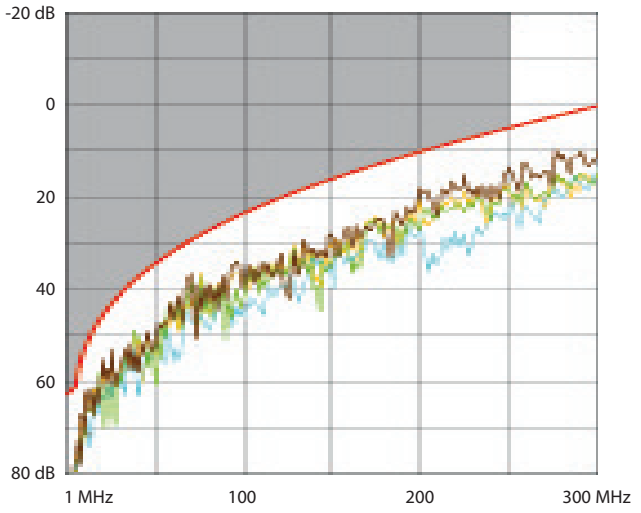
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



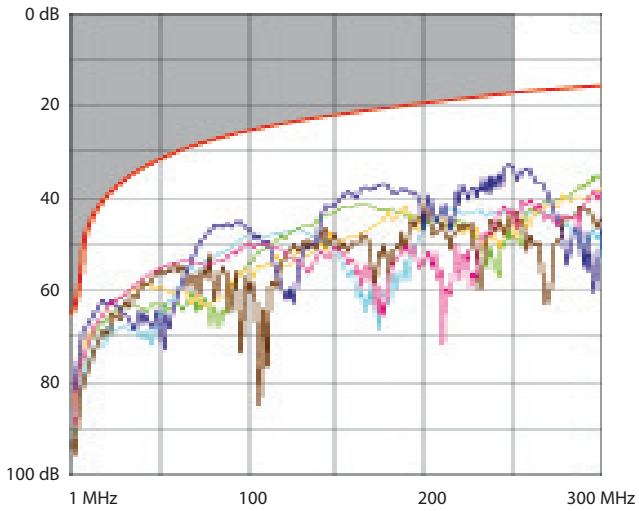
ACR (Attenuation to Crosstalk Ratio)



9. PERFORMANCE *(Cont.)*

9.2 Performance of permanent link with F/UTP cable *(Cont.)*

ELFEXT (Equal Level End Crosstalk Attenuation)



Delay skew