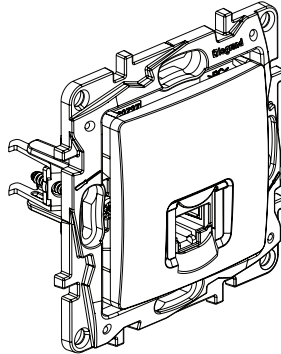



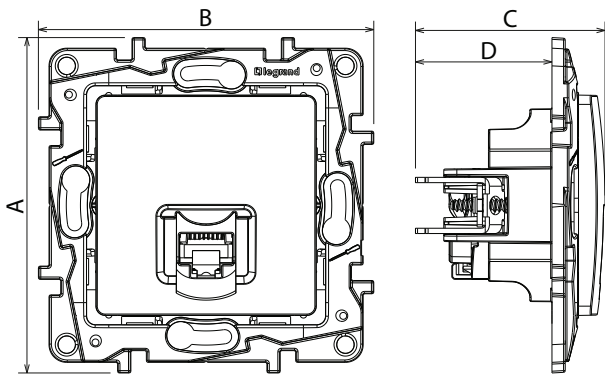
Niloe™^{selection}
LCS² Cat. 5e RJ 45 socket**Cat. No(s): 7 621 71**
7 622 71
7 623 71
7 624 71**1. USE**

Category 5e RJ 45 socket.
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	Anthracite	Smoked grey	Pearl
	Cat. 5e RJ 45 socket - 1 module	7 621 71	7 622 71	7 623 71	7 624 71

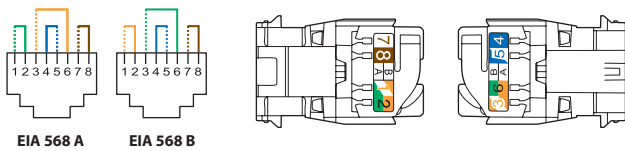
3. DIMENSIONS (mm)



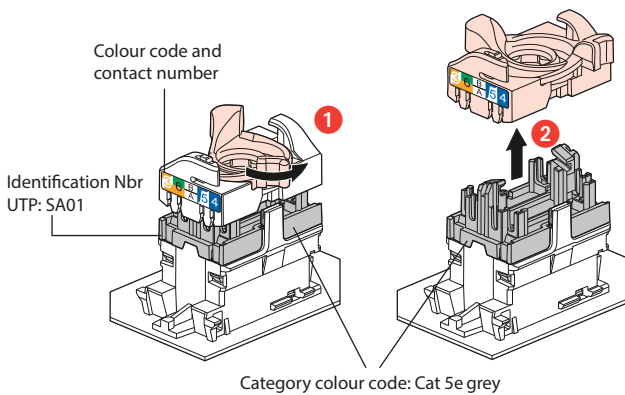
References	A	B	C	D
7 621 71	75.8	75.8	42.85	30.85
7 622 71				
7 623 71				
7 624 71				

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

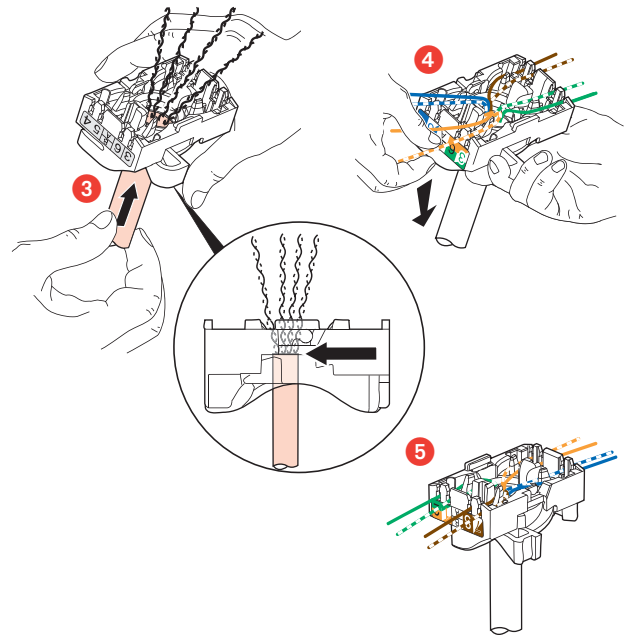


Conductors supported:
 - Single-wire: 0.5 to 0.65 mm, AWG 22 to 25
 - Multiple-wire: AWG 26
 - Polyethylene conductor insulation: max. Ø with insulation 1.58 mm
 RJ 45 connectors are equipped with a locking nut that does not require the use of a specific tool and which enables re-cabling in the event of error.



4. CONNECTION (continued)

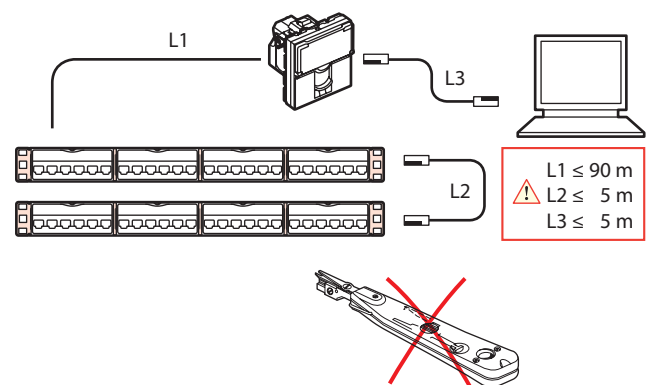
This system allows the wire pairs to be spread easily before mounting them on the connector.



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
 Polycarbonate with antimicrobial* treatment for Cat. Nos 0 765 81/82/83.

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, Bactily sine, diluted hydrogen peroxide (35%).

Caution: Always test before using other special cleaning products.

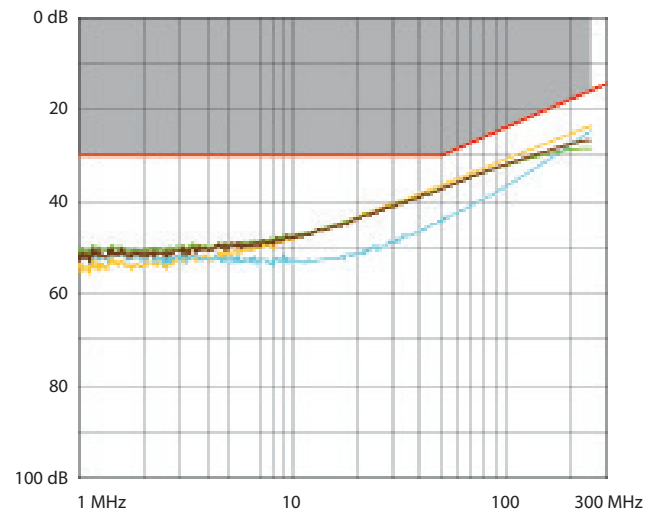
8. STANDARDS AND APPROVALS

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

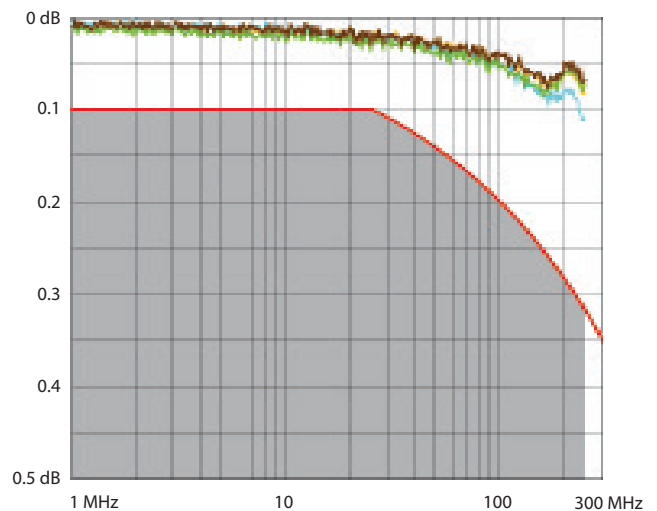
9. PERFORMANCE

■ 9.1 Component performance (RJ 45 connectors)

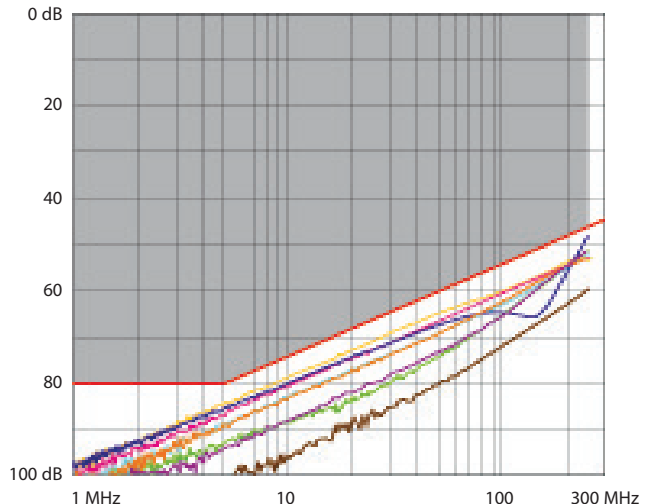
Return loss



Attenuation

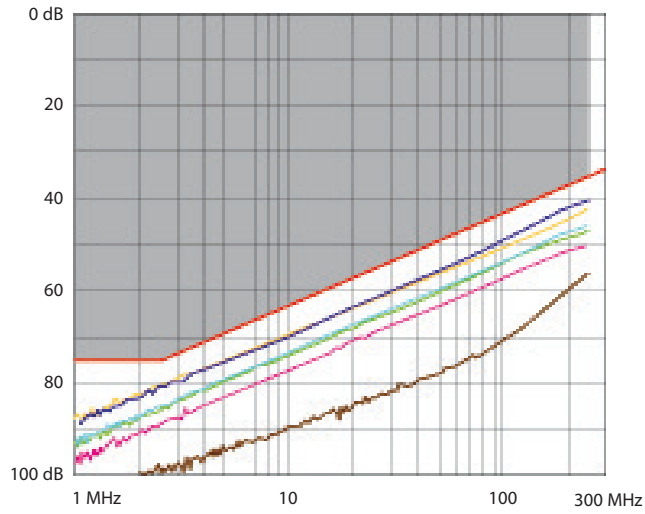


NEXT (Near end Crosstalk Attenuation)

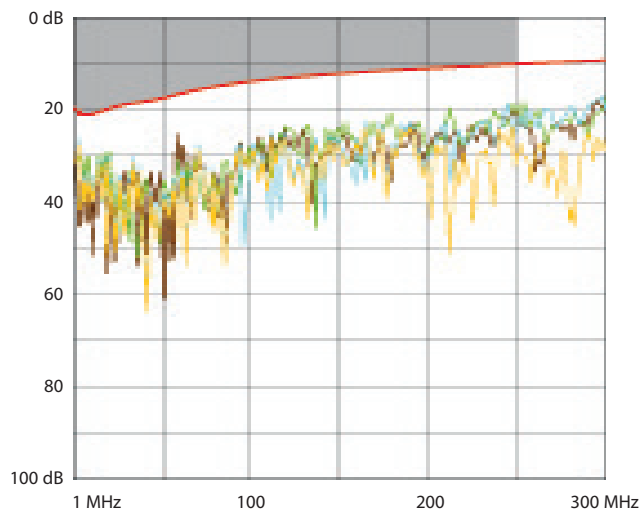


9. PERFORMANCE (Cont.)

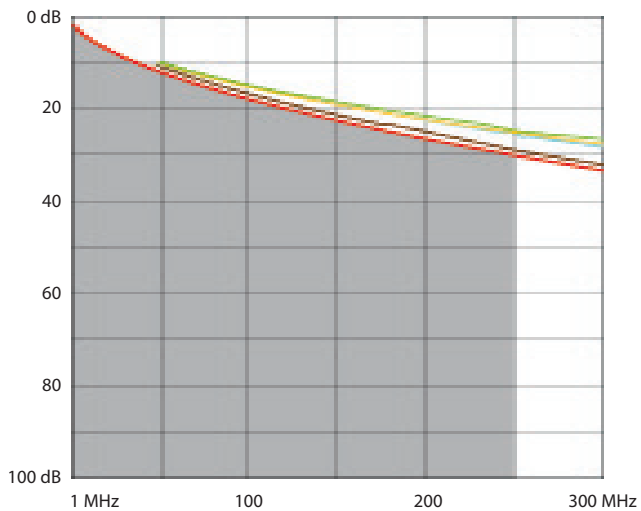
■ 9.1 Component performance (RJ 45 connectors) (cont.)
 FEXT (Far end Crosstalk Attenuation)



■ 9.2 Performance of permanent link with F/UTP cable
 Return loss

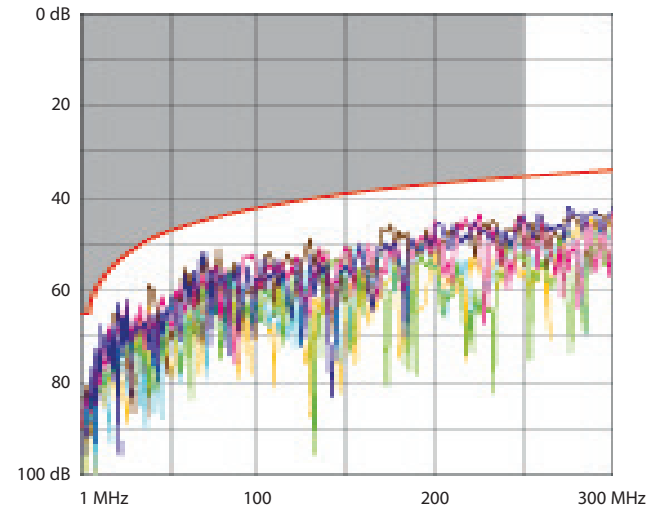


Attenuation

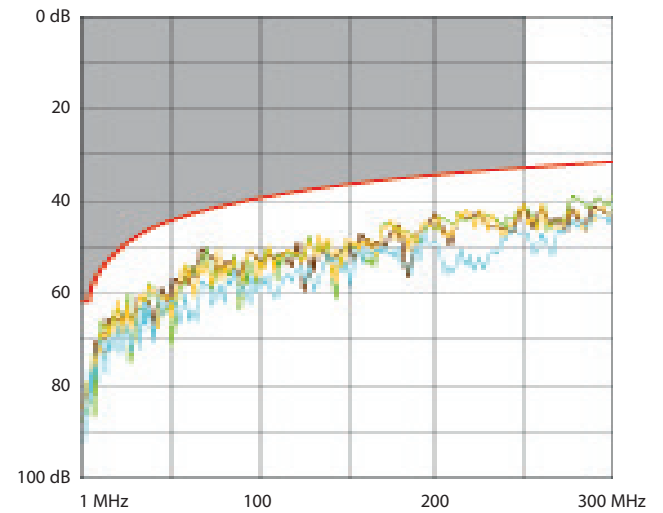


9. PERFORMANCE (Cont.)

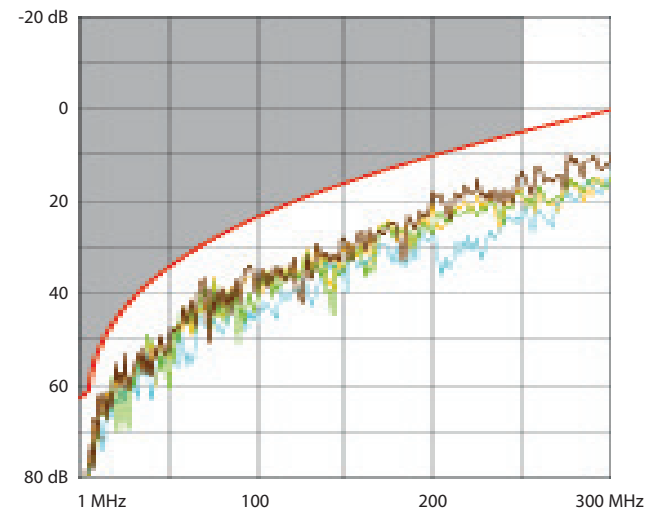
9.2 Performance of permanent link with F/UTP cable (Cont.)
 NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



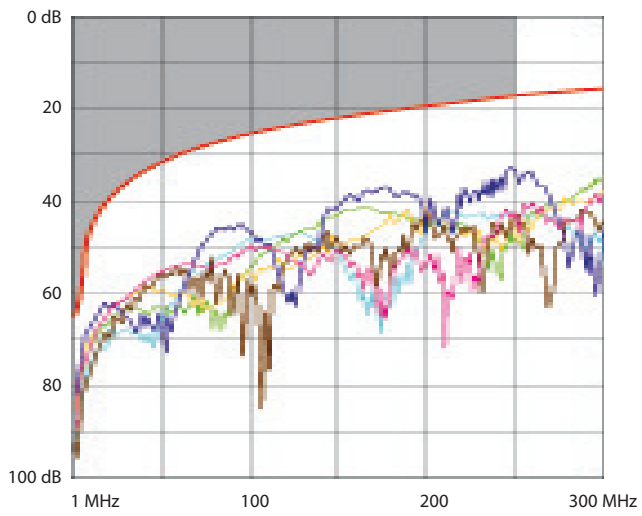
ACR (Attenuation to Crosstalk Ratio)



9. PERFORMANCE (Cont.)

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

ELFEXT (Equal Level End Crosstalk Attenuation)



Delay skew

