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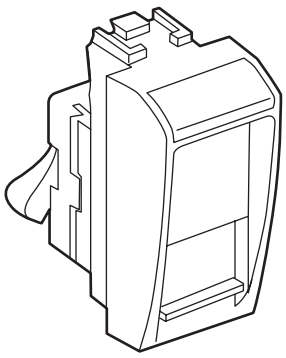
LIVING·LIGHT

RJ sockets

Catalogue numbers: N4279C5E - NT4279C5E - L4279C5E - N4279C5F - NT4279C5F - L4279C5F N4279C6 - NT4279C6 - L4279C6 - N4279C6F - NT4279C6F - L4279C6F - N4279C6S NT4279C6S - L4279C6S - N4279C6A - NT4279C6A - L4279C6A



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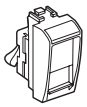
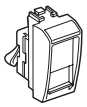
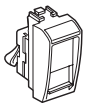
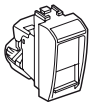
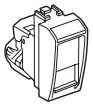
1. USE

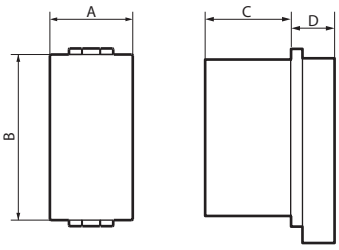
RJ 45 connectors for data/telephone transmission.
Specially designed for data transmission and telephone communication. These connectors are very widely used for computer networks with 4-pair cables.

2. RANGE

	Category	Cat. Nos.
	5E UTP	☐ N4279C5E ▒ NT4279C5E ■ L4279C5E
	5 FTP	☐ N4279C5F ▒ NT4279C5F ■ L4279C5F
	6 UTP	☐ N4279C6 ▒ NT4279C6 ■ L4279C6
	6 FTP	☐ N4279C6F ▒ NT4279C6F ■ L4279C6F
	6 STP	☐ N4279C6S ▒ NT4279C6S ■ L4279C6S
	6A STP	☐ N4279C6A ▒ NT4279C6A ■ L4279C6A

Colour code:
☐ White
▒ Tech
■ Anthracite

3. OVERALL DIMENSIONS (mm)

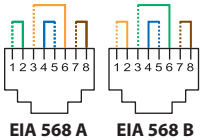


Cat. Nos.	A	B	C	D
N/NT/L4279C5E	22	44	23	14
N/NT/L4279C5F	22	44	23	14
N/NT/L4279C6	22	44	23	14
N/NT/L4279C6F	22	44	23	14
N/NT/L4279C6S	22	44	30	14
N/NT/L4279C6A	22	44	30	14

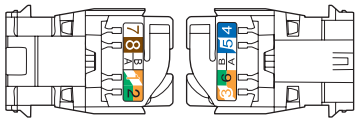
4. CONNECTION

Tool-free 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
- FTP 9 contacts
- STP 9 contacts with 360° shielding



EIA 568 A **EIA 568 B**

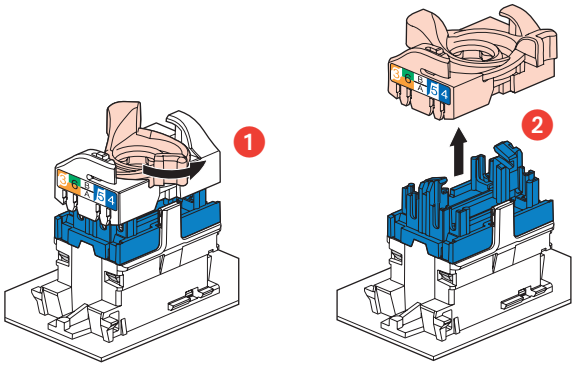


EIA - TIA 568 A and B dual colour code on terminals:
- UTP 8 contacts
- FTP 9 contacts
- STP 9 contacts with 360° shielding

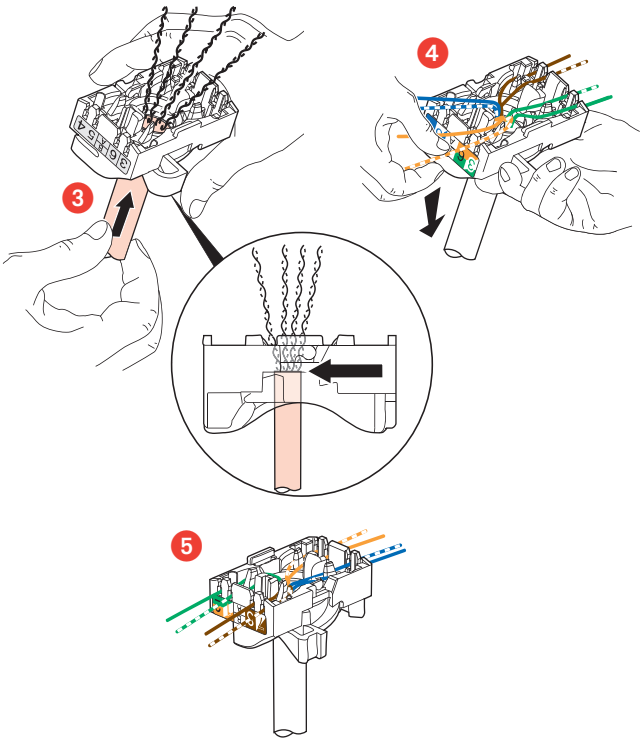
Permitted conductors:
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

4. CONNECTION *(continued)*

The 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 you to spread pairs before fitting them onto the connector.



Spreading the cables ensures 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.

5. TECHNICAL FEATURES

■ 5.1 Protection class
IP: 21 D
IK: 03

■ 5.2 Materials
Contacts: gold/nickel, thickness of gold > 0.8 µm minimum
Metal parts: bronze, nickel, platinum, gold
Polycarbonate PBT
For the STP products the body and the spreader are made of metal alloy with copper/nickel coating.
Material: ABS for cover plates
Colour: White - Tech - Anthracite
Halogen-free
UV resistant
Self-extinguishing:
- 850°C/30 s for insulating parts holding live parts in place
- 650°C/30 s for other parts made of insulating materials

■ 5.3 Electrical features
Breakdown voltage ≥ 1000 V
Contact resistance ≤ 20 MΩ
Insulation resistance ≥ 500 MΩ at 100 VDC
Connector tested and guaranteed under POE signal stress, standard IEEE 802.3af and POE+, draft standard 802.3at, up to 2500 load connections/disconnections.
Tests are carried out with 2 simultaneous POE+ circuits for a minimum total power of 50 W.

■ 5.4 Climatic features
Storage and usage temperature: - 5°C to + 35°C

6. MAINTENANCE

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

Attention: An initial test is required for the use of other special maintenance products.

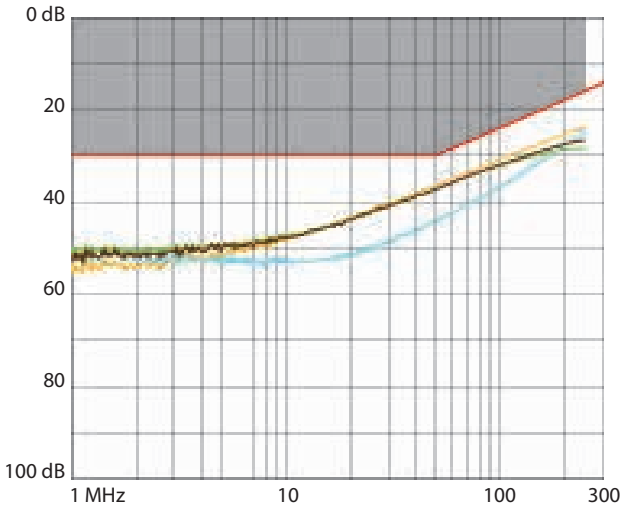
7. STANDARDS AND APPROVALS

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

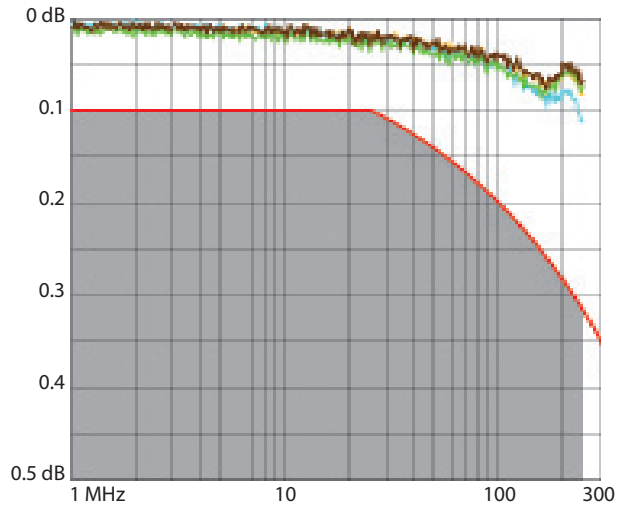
8. PERFORMANCE

■ 8.1 Performance of components (RJ 45 connectors)

Return loss



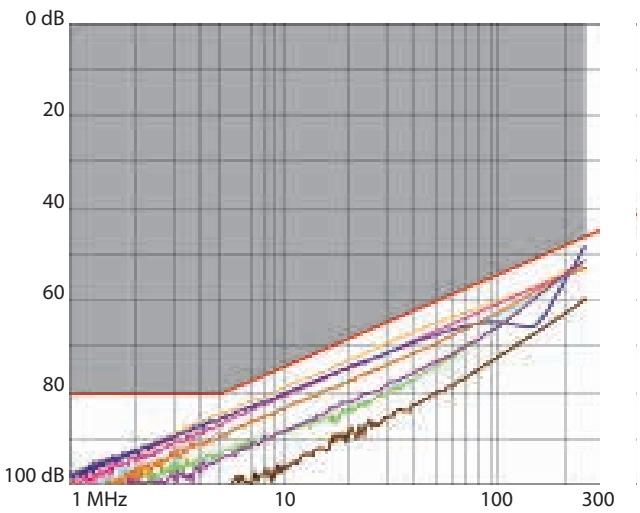
Attenuation



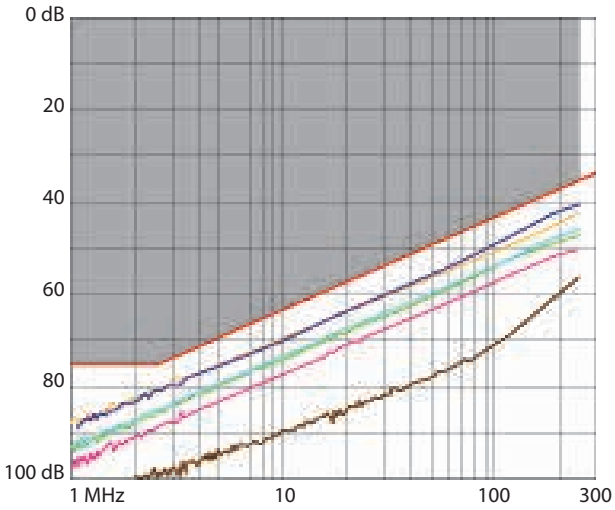
8. PERFORMANCE *(continued)*

■ 8.1 Performance of components (RJ 45 connectors)

NEXT (Near end Crosstalk Attenuation)

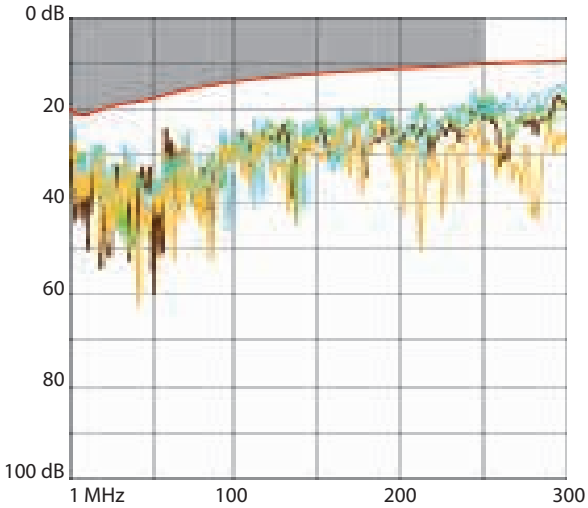


FEXT (Far end Crosstalk Attenuation)



■ 8.2 Performance of permanent link with F/UTP cable

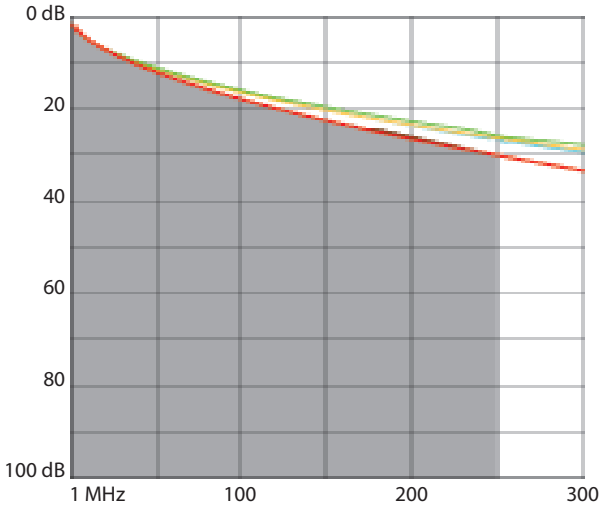
Return loss



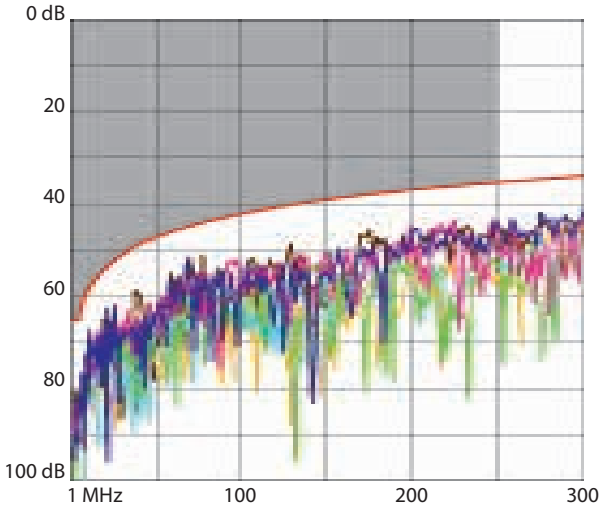
8. PERFORMANCE *(continued)*

■ 8.2 Performance of permanent link with F/UTP cable

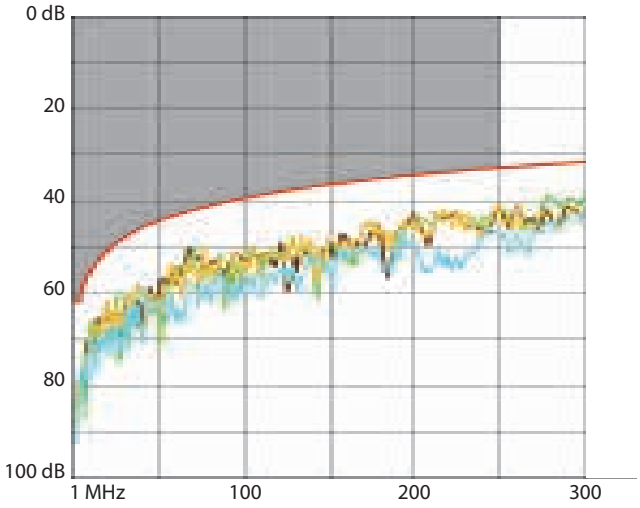
Attenuation



NEXT (Near end Crosstalk Attenuation)



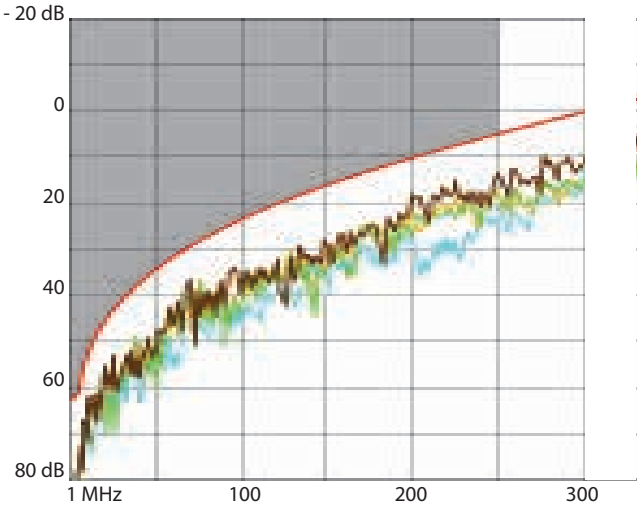
PS NEXT (Power Sum NEXT)



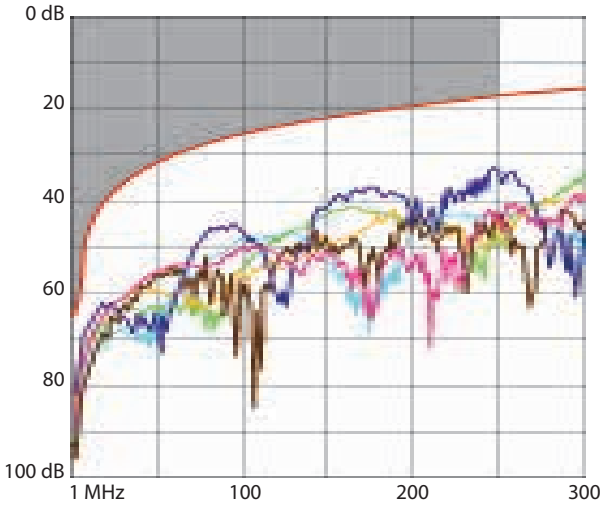
8. PERFORMANCE *(continued)*

■ 8.2 Performance of permanent link with F/UTP cable *(continued)*

Attenuation



NEXT (Near end Crosstalk Attenuation)



Delay skew