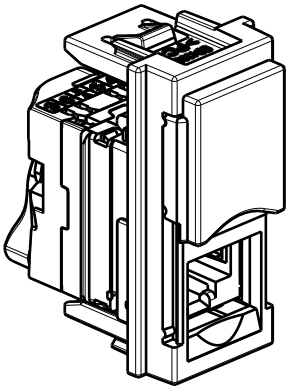
Viale Borri, 231 - 21100 VARESE - Italy
www.bticino.com

LIVING
now

RJ sockets

KS4279C5E - KB4279C5E - KC4279C5E
KS4279C6 - KB4279C6 - KC4279C6
KS4279C6A - KB4279C6A - KC4279C6A
KS4279C6S - KB4279C6S - KC4279C6S
KS4279C6AS - KB4279C6AS - KC4279C6AS
KS4279C6F - K@4279C6F - KC4279C6F



1. USE

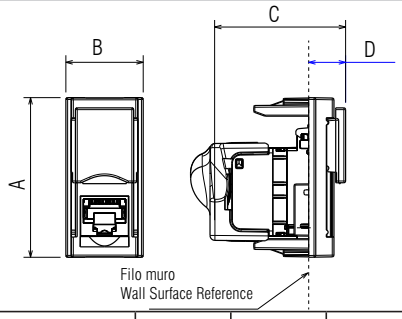
RJ 45 connectors for data/telephone transmission.
Specially designed for data transmission and telephone communication. These connectors are very widely used for computer networks with 4-pair cables.

2. RANGE

Category	Cat. Nos.	Related Cover Codes
RJ45 Toolless IDC type UTP cat. 5E - 1 module	KQ4279C5E K@4279C5E KA4279C5E	KQ07 K@07 KA07 KQ07M2 K@07M2 KA07M2
RJ45 Toolless IDC type UTP cat. 6 - 1 module	KQ4279C6 K@4279C6 KA4279C6	
RJ45 Toolless IDC type UTP cat. 6A - 1 module	KQ4279C6A K@4279C6A KA4279C6A	
RJ45 Toolless IDC type STP cat. 6S - 1 module	KQ4279C6S K@4279C6S KA4279C6S	
RJ45 Toolless IDC type STP cat. 6AS - 1 module	KQ4279C6AS K@4279C6AS KA4279C6AS	
RJ45 Toolless IDC type FTP cat. 6 - 1 module	KQ4279C6F K@4279C6F KA4279C6F	

Colours code:
Steel
Bronze
Champagne

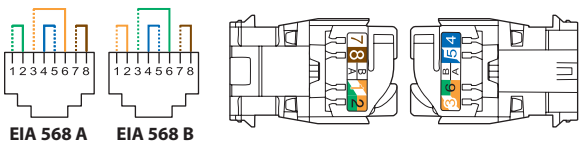
3. OVERALL DIMENSIONS (mm)



Cat. Nos.	A	B	C	D
K..4279C5E	45.2	21.9	37.1	10.5
K..4279C6	45.2	21.9	37.1	10.5
K..4279C6A	45.2	21.9	37.1	10.5
K..4279C6AS	45.2	21.9	37.1	10.5
K..4279C6F	45.2	21.9	37.1	10.5
K..4279C6S	45.2	21.9	37.1	10.5

4. CONNECTION

Tool-free connection.
Takes the following plugs:
RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts)



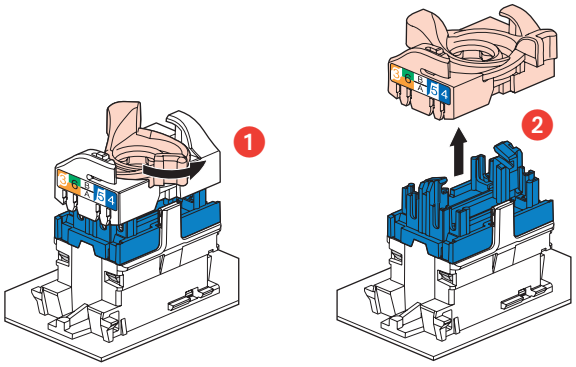
EIA - TIA 568 A and B dual colour code on terminals:
- UTP 8 contacts
- FTP 9 contacts

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

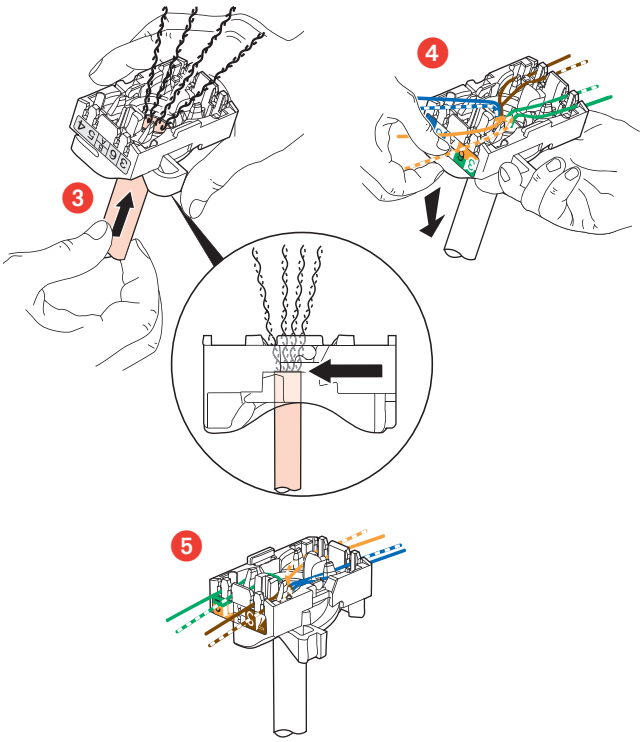
Permitted conductors:
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

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

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.

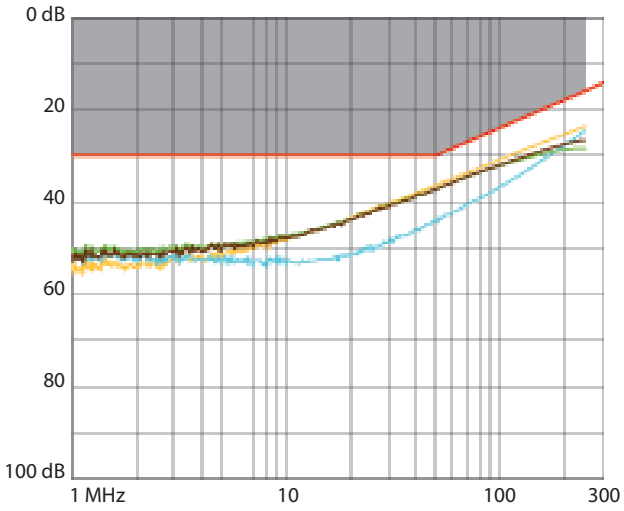
7. STANDARDS AND APPROVALS

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

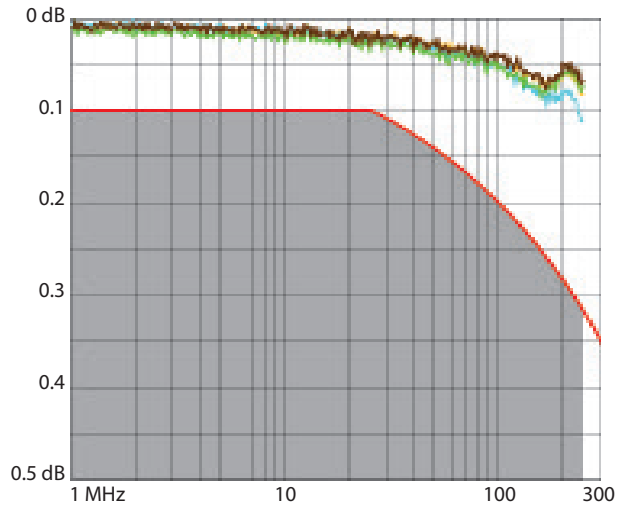
8. PERFORMANCE

■ 8.1 Performance of components (RJ 45 connectors)

Return loss



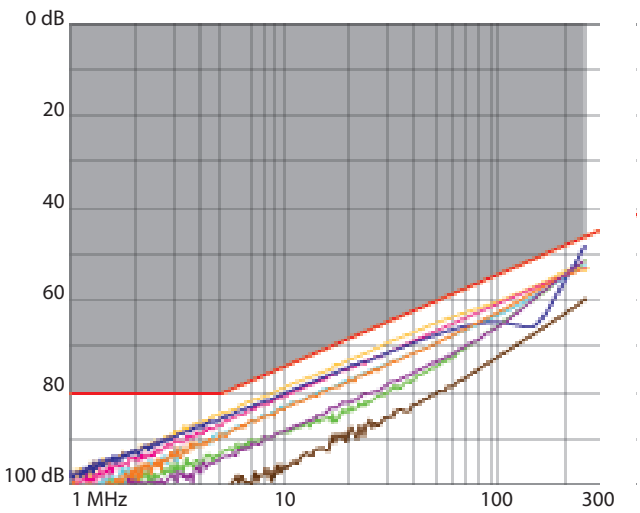
Attenuation



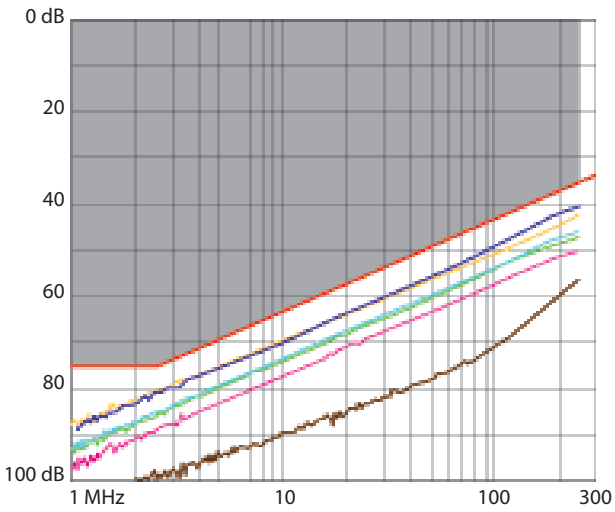
8. PERFORMANCE *(continued)*

■ 8.1 Performance of components (RJ 45 connectors)

NEXT (Near end Crosstalk Attenuation)

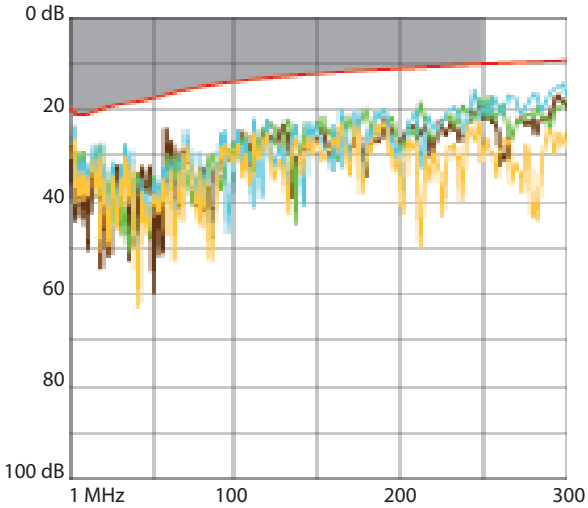


FEXT (Far end Crosstalk Attenuation)



■ 8.2 Performance of permanent link with F/UTP cable

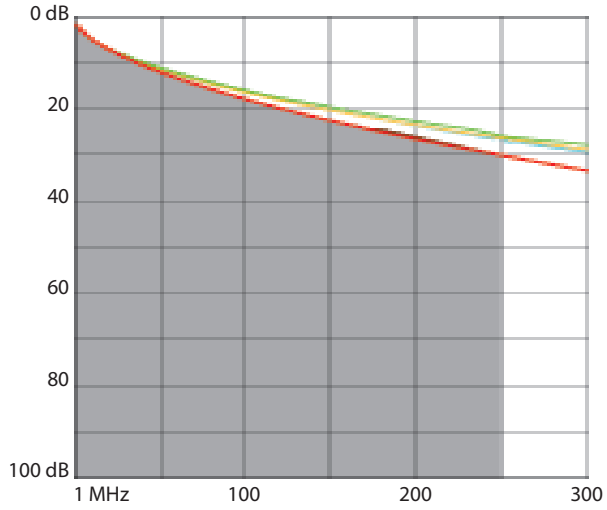
Return loss



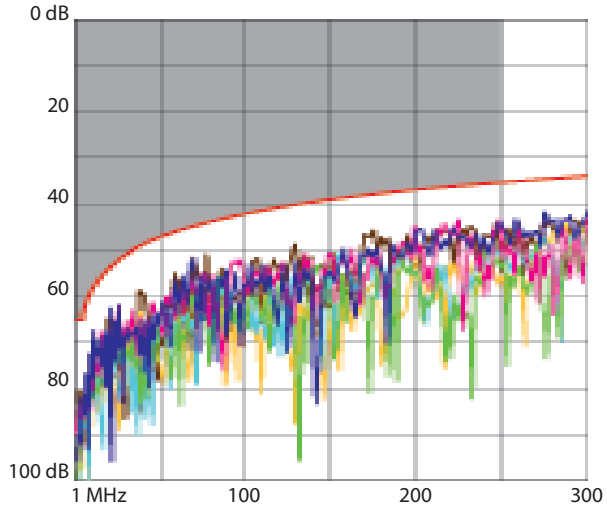
8. PERFORMANCE *(continued)*

■ 8.2 Performance of permanent link with F/UTP cable

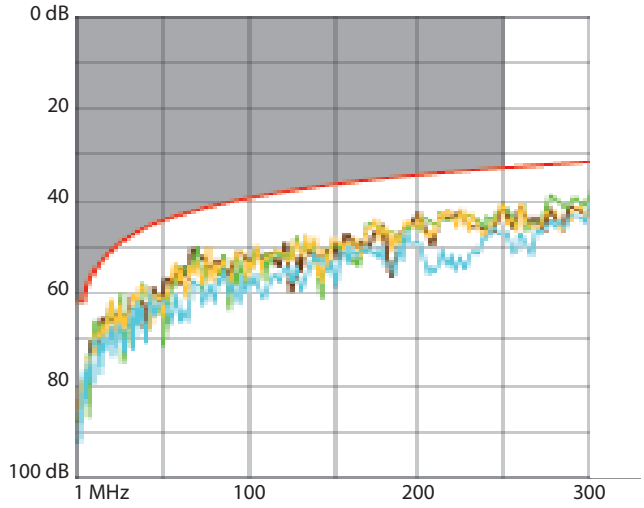
Attenuation



NEXT (Near end Crosstalk Attenuation)



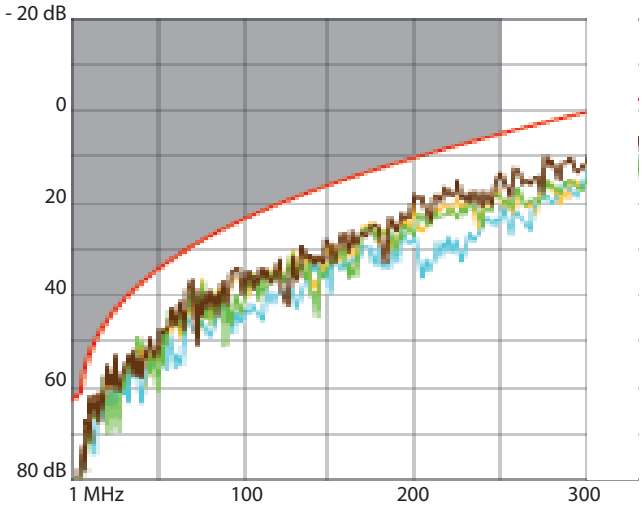
PS NEXT (Power Sum NEXT)



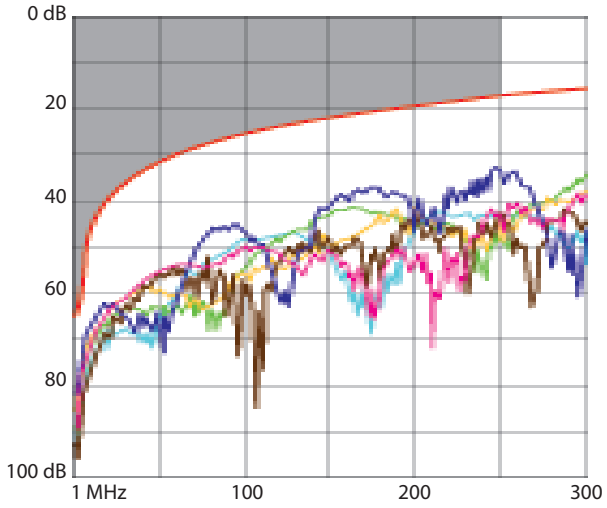
8. PERFORMANCE *(continued)*

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

Attenuation



NEXT (Near end Crosstalk Attenuation)



Delay skew