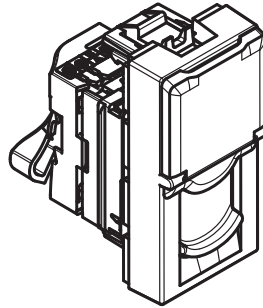


Classia
RJ 45 socket

RW4279C5E - RA4279C5E - RG4279C5E
RW4279C6 - RA4279C6 - RG4279C6
RW4279C6S - RG4279C6S
RW4279C6AS - RG4279C6AS



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.

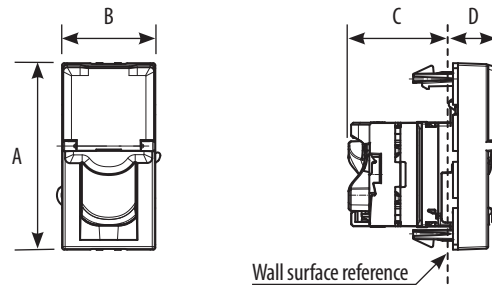
Range

Designation	Item
RJ45 toolless UTP cat5E	<input type="checkbox"/> RW4279C5E
	<input checked="" type="checkbox"/> RA4279C5E
	<input checked="" type="checkbox"/> RG4279C5E
RJ45 toolless UTP cat6	<input type="checkbox"/> RW4279C6
	<input checked="" type="checkbox"/> RA4279C6
	<input checked="" type="checkbox"/> RG4279C6
RJ45 toolless STP cat6	<input type="checkbox"/> RW4279C6S
	<input checked="" type="checkbox"/> RG4279C6S
RJ45 toolless STP cat6A	<input type="checkbox"/> RW4279C6AS
	<input checked="" type="checkbox"/> RG4279C6AS

Color code:

White colour Aluminum colour Black colour

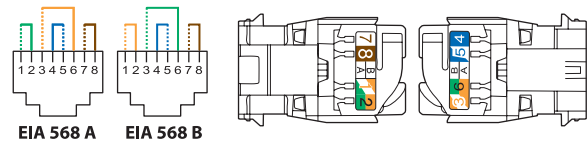
Overall dimensions (mm)



	A	B	C	D
..4279C..	45	22.5	23.9	12.1

Connection

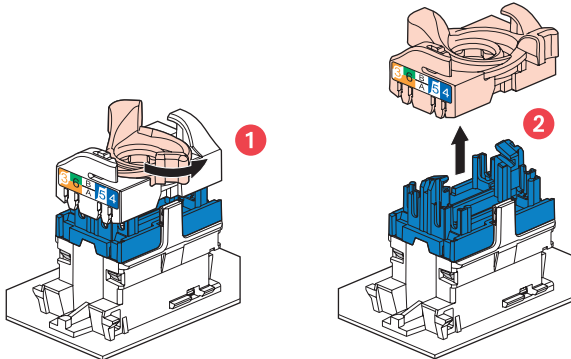
Tool-free connection.
Takes the following plugs:
RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts)



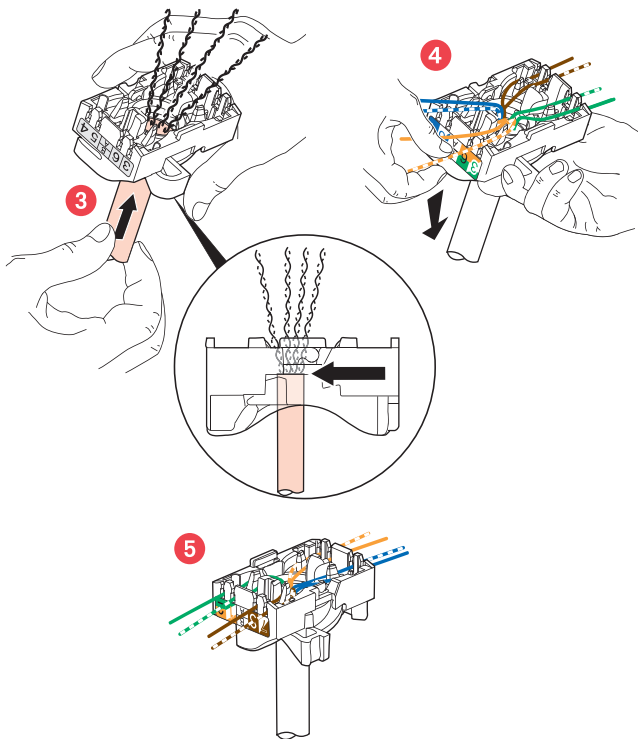
EIA - TIA 568 A and B dual colour code on terminals:
- UTP 8 contacts
- FTP 9 contacts
- STP 9 contacts with 360° shielding
EIA - TIA 568 A and B dual colour code on terminals:
- UTP 8 contacts
- FTP 9 contacts
- STP 9 contacts with 360° shielding
Permitted conductors:
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

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.

Technical characteristics

- Protection index

(considering a complete installation, including cover plate)

Penetration by solid bodies/liquid: IP40

- Mechanical characteristics

Impact test: IK 04

- Material characteristics

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

- Electrical characteristics

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.

- Climatic characteristics

Storage temperature: - 10° C to + 70° C

Use temperature: - 5° C to + 35° C

Cleaning

Clean the surface with a cloth.

Do not use acetone, tar-removing cleaning agents or trichloroethylene.

Caution: Always test before using special cleaning products.

Standards and approvals

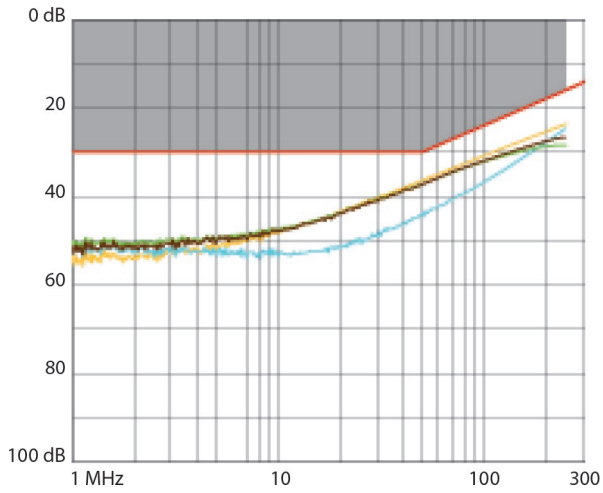
Compliance with standards TIA-568-C-2

Refer to e.catalogue.

Performance

- Performance of components (RJ 45 connectors)

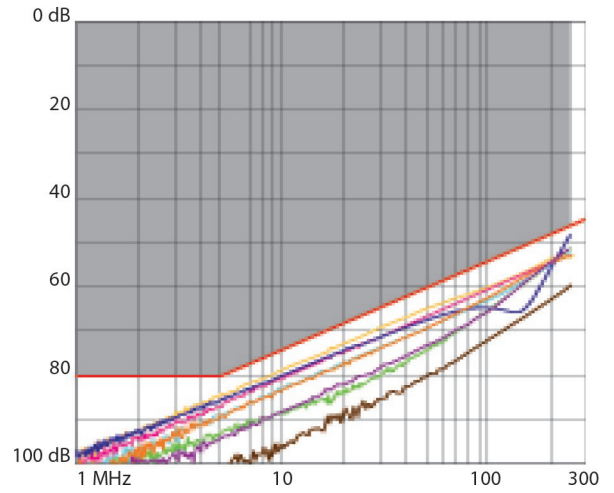
Return loss



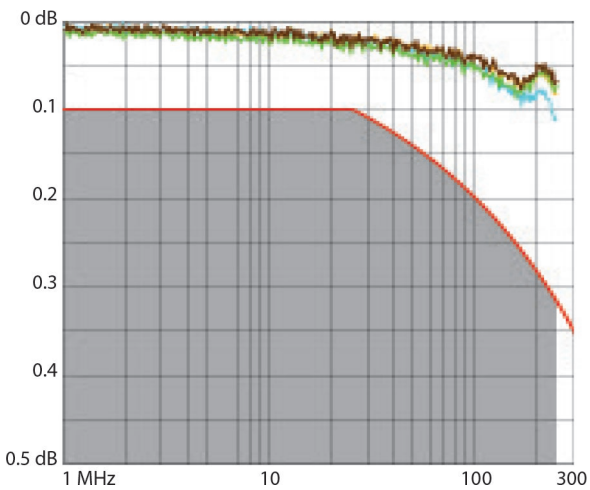
Performance (continued)

- Performance of components (RJ 45 connectors)

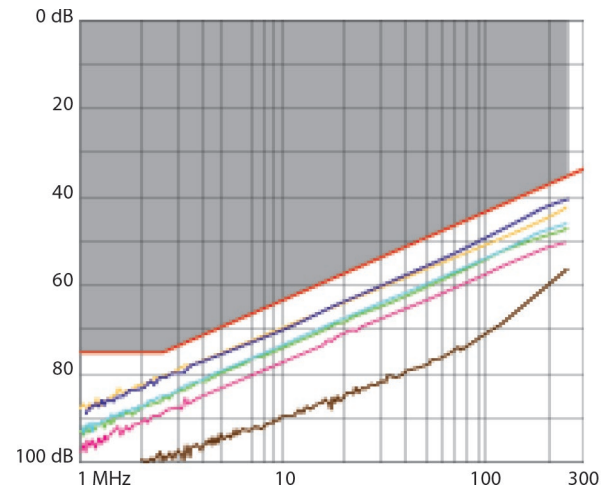
NEXT (Near end Crosstalk Attenuation)



Attenuation

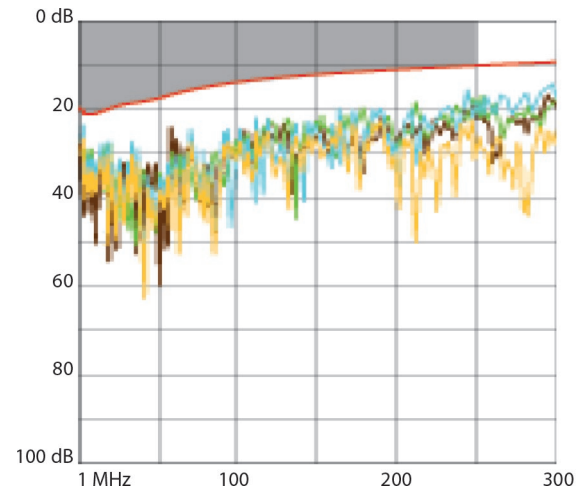


FEXT (Far end Crosstalk Attenuation)



- Performance of permanent link with F/UTP cable

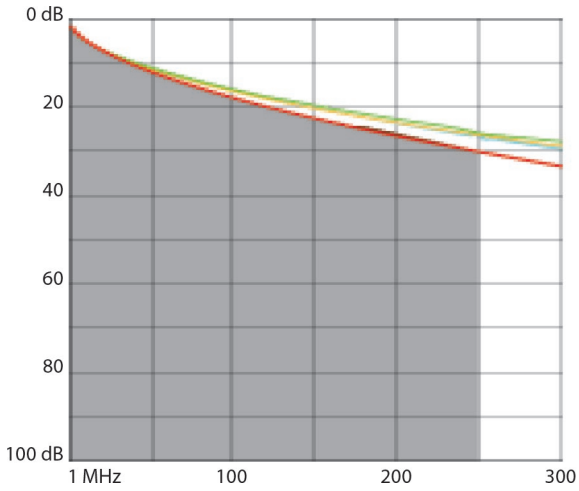
Return loss



Performance (continued)

- Performance of permanent link with F/UTP cable

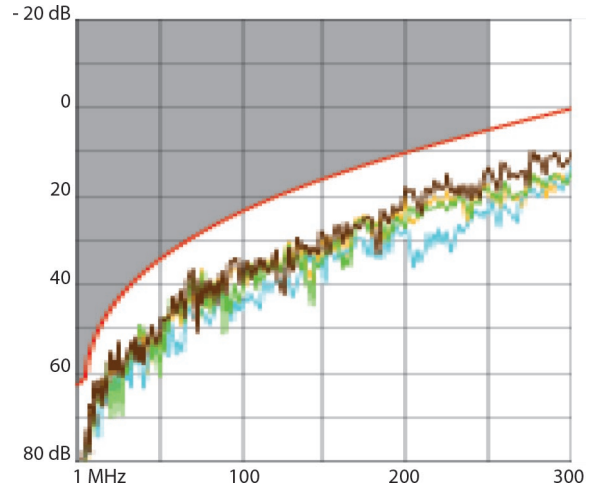
Attenuation



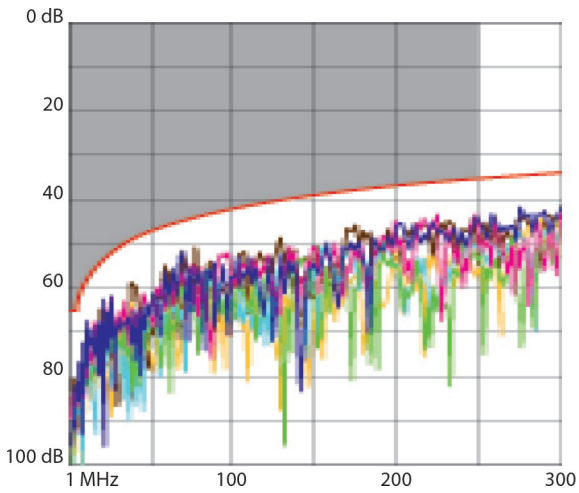
Performance (continued)

- Performance of permanent link with F/UTP cable (continued)

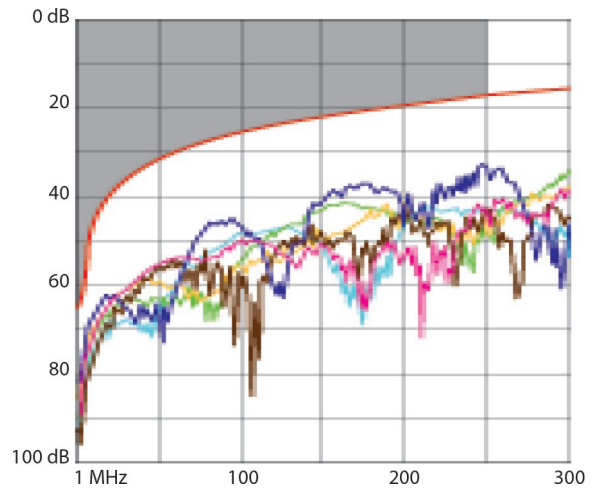
Attenuation



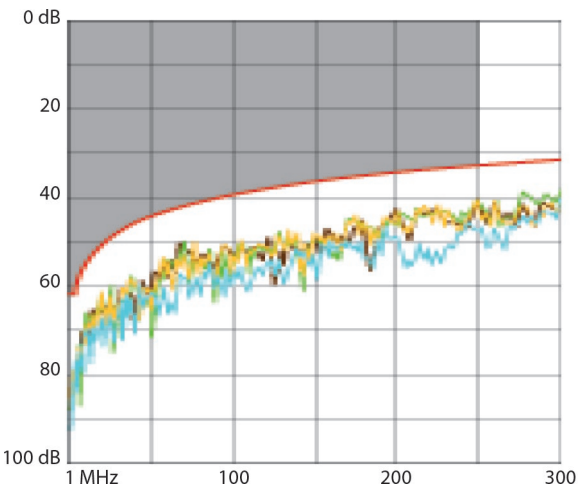
NEXT (Near end Crosstalk Attenuation)



NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



Delay skew

