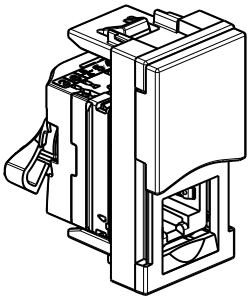
MatixGo

JW4279C5E - JG4279C5E - JB4279C5E
JW4279C6 - JW4279C6AB - JG4279C6 - JB4279C6
JW4279C6A - JG4279C6A - JB4279C6A
JW4279C6S - JW4279C6SAB - JG4279C6S - JB4279C6S
JW4279C6AS - JW4279C6ASAB - JG4279C6AS - JB4279C6AS

RJ 45 socket



Use

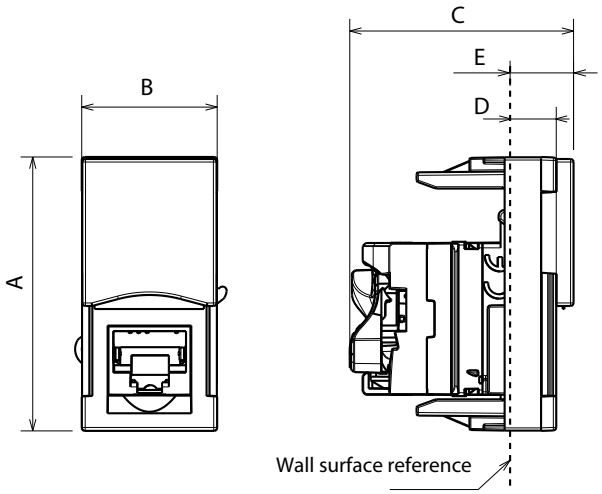
RJ 45 connectors for data/telephone transmission.
Specially designed for data transmission and telephone communication. These connectors are very widely used for computer networks with 4-pair cables.

Range

Designation	Item
RJ45 Toolless IDC type UTP cat. 5E - 1 module	☐ JW4279C5E ▒ JG4279C5E ■ JB4279C5E
RJ45 Toolless IDC type UTP cat. 6 - 1 module	☐ JW4279C6 JW4279C6AB ▒ JG4279C6 ■ JB4279C6
RJ45 Toolless IDC type UTP cat. 6A - 1 module	☐ JW4279C6A ▒ JG4279C6A ■ JB4279C6A
RJ45 Toolless IDC type STP cat. 6S - 1 module	☐ JW4279C6S JW4279C6SAB ▒ JG4279C6S ■ JB4279C6S
RJ45 Toolless IDC type STP cat. 6AS - 1 module	☐ JW4279C6AS JW4279C6ASAB ▒ JG4279C6AS ■ JB4279C6AS

Colors: ☐ White ▒ Grey ■ Black

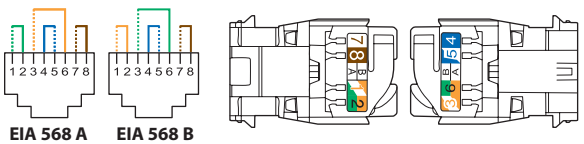
Overall dimensions (mm)



	A	B	C	D	E
..4279...	45.1	22.5	37	7.6	10.5

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

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

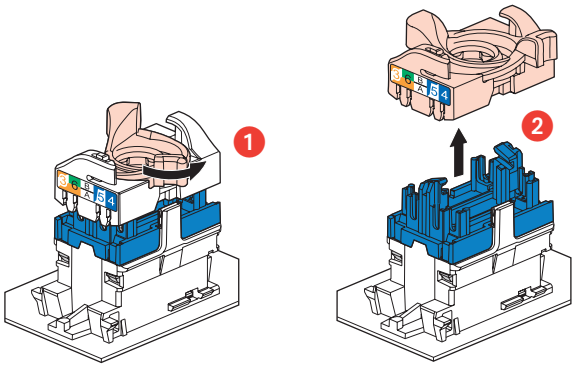
MatixGo

JW4279C5E - JG4279C5E - JB4279C5E
JW4279C6 - JW4279C6AB - JG4279C6 - JB4279C6
JW4279C6A - JG4279C6A - JB4279C6A
JW4279C6S - JW4279C6SAB - JG4279C6S - JB4279C6S
JW4279C6AS - JW4279C6ASAB - JG4279C6AS - JB4279C6AS

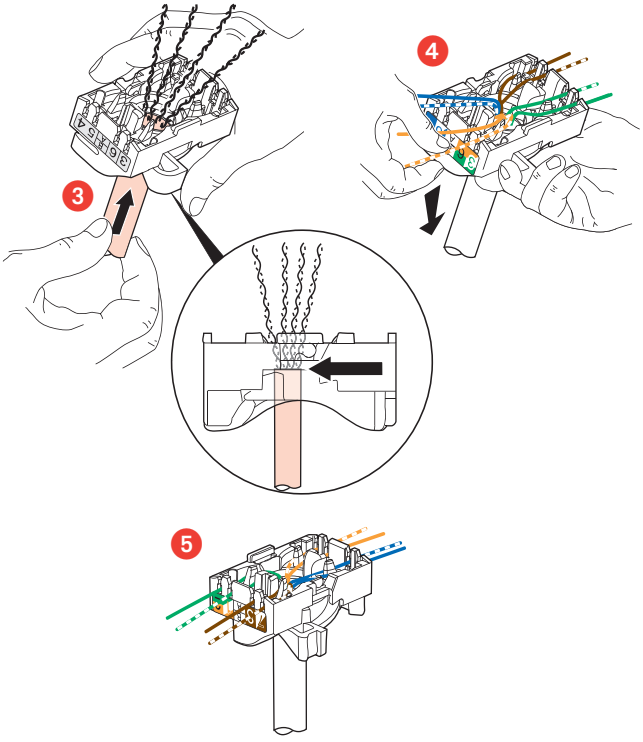
RJ 45 socket

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: IP21D
- Impact test: IK04

- **Material characteristics:**

- Cover: ABS
- Slide : PC
- Contacts: gold/nickel, thickness of gold > 0.8 µm minimum
- Metal parts: bronze, nickel, platinum, gold
- For the STP products the body and the spreader are made of metal alloy with copper/nickel coating.
- 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.

- The key cover of the following items are in antibacterial ABS

JW4279C6AB - JW4279C6SAB - JW4279C6ASAB

- **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

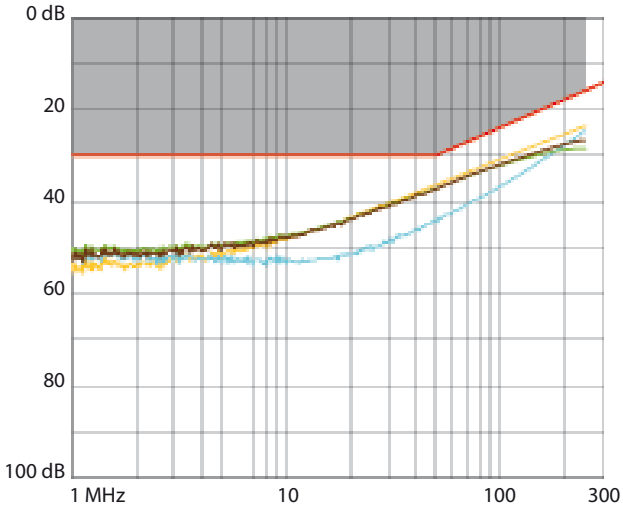
Compliance with standards TIA-568-C-2

Refer to e.catalogue.

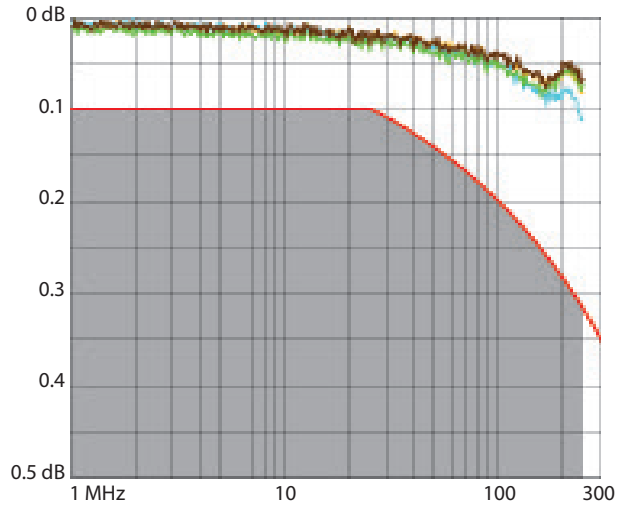
Performance

- Performance of components (RJ 45 connectors)

Return loss



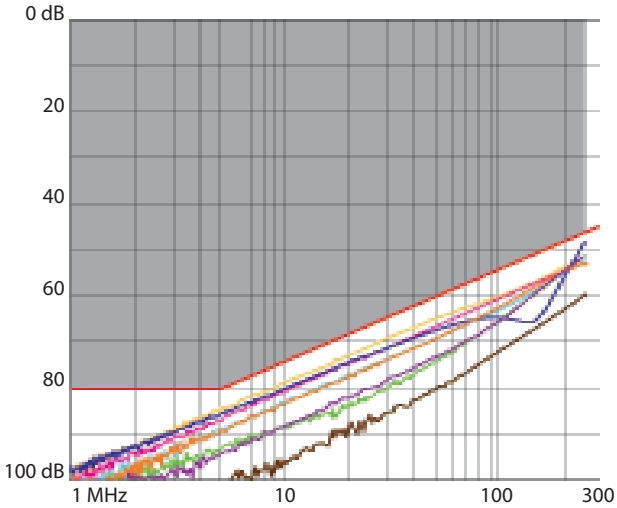
Attenuation



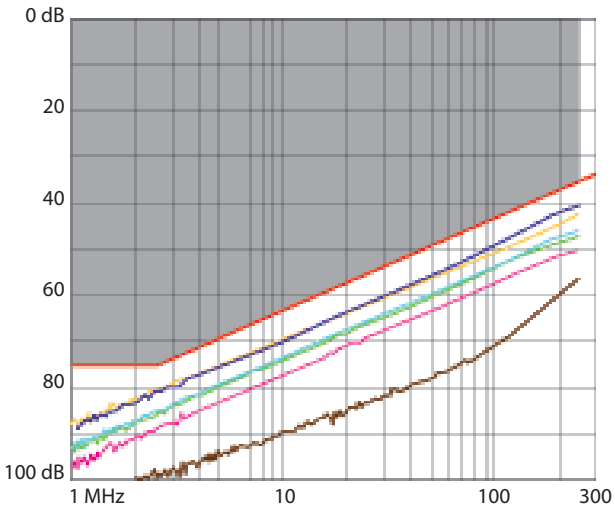
Performance (continued)

- Performance of components (RJ 45 connectors)

NEXT (Near end Crosstalk Attenuation)

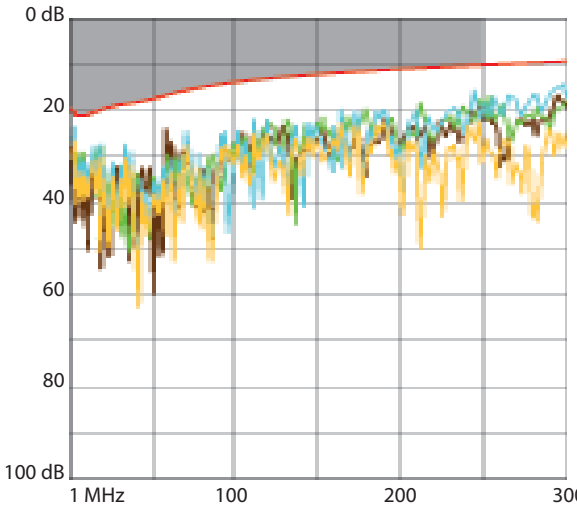


FEXT (Far end Crosstalk Attenuation)



- Performance of permanent link with F/UTP cable

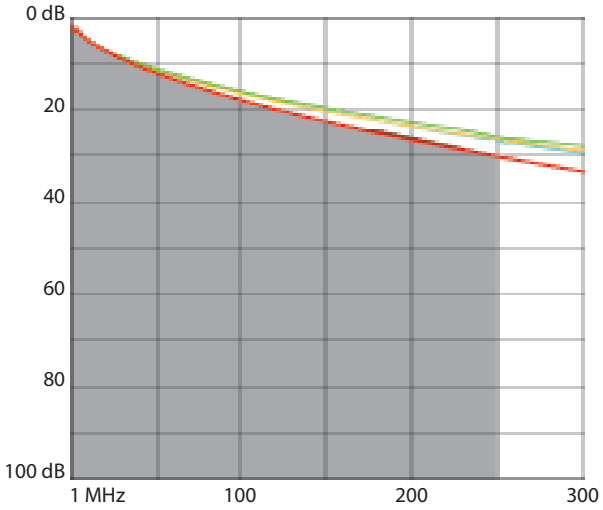
Return loss



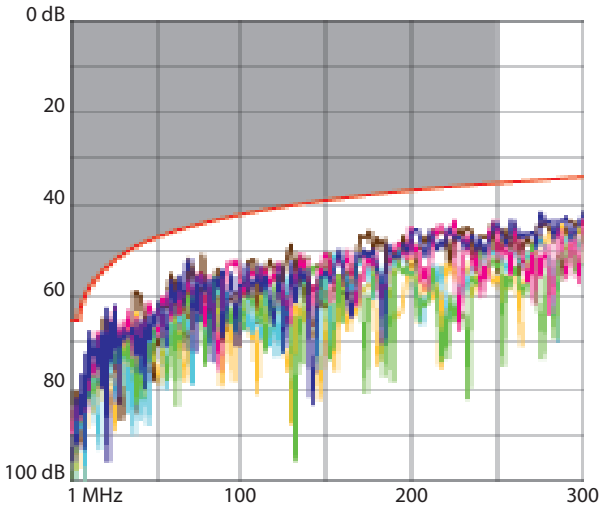
Performance (continued)

- Performance of permanent link with F/UTP cable

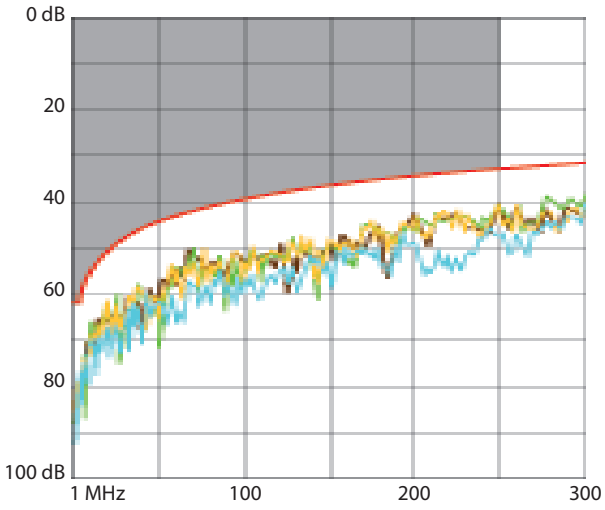
Attenuation



NEXT (Near end Crosstalk Attenuation)



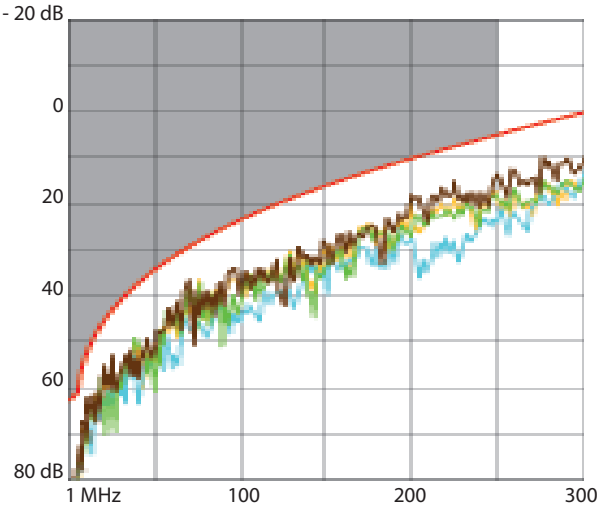
PS NEXT (Power Sum NEXT)



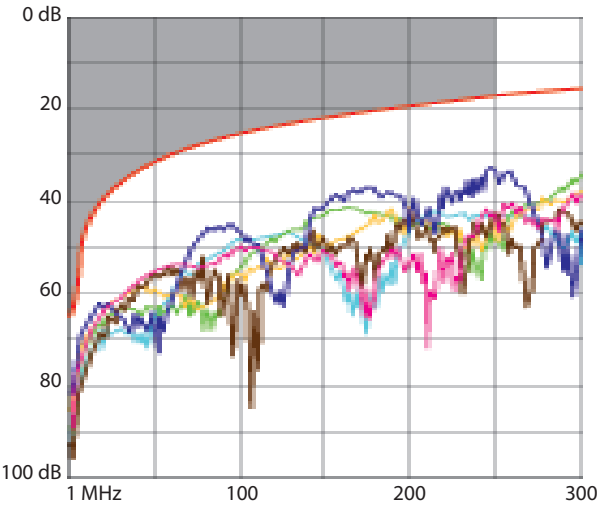
Performance (continued)

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

Attenuation



NEXT (Near end Crosstalk Attenuation)



Delay skew