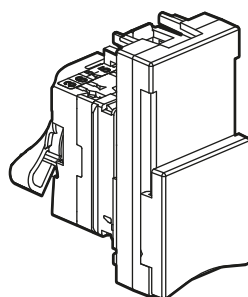


MatixGO

Cat. 5e RJ45 sockets

Cat. Nos: JW4279C5E - JG4279C5E - JB4279C5E



1. USE

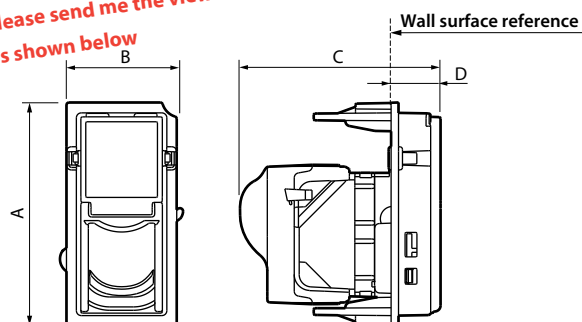
Category 5e RJ 45 socket for high speed transmission (Gigabit Ethernet). The mechanism can be flush-mounted or surface-mounted in 40 mm depth box min.
To be equipped with frame and plates.
Fixing with clips.

2. RANGE

Category	Cat. Nos.	Color
5e UTP	JW4279C5E JG4279C5E JB4279C5E	☐ White ☒ Grey ☐ Black

3. OVERALL DIMENSIONS (mm)

Please send me the view JW4279C5E as shown below

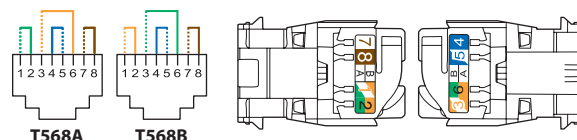


A	B	C	D
45	22.5	37	11.5

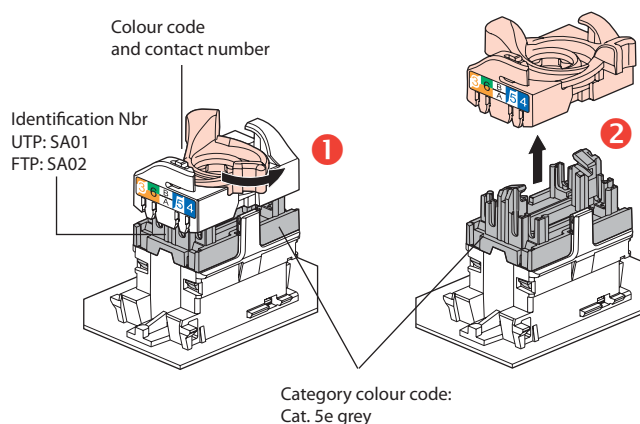
4. CONNECTION

Accepts the following cable connectors:
RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts).

Double colour T568A and T568B on terminals:
UTP 8 contacts
FTP 9 contacts

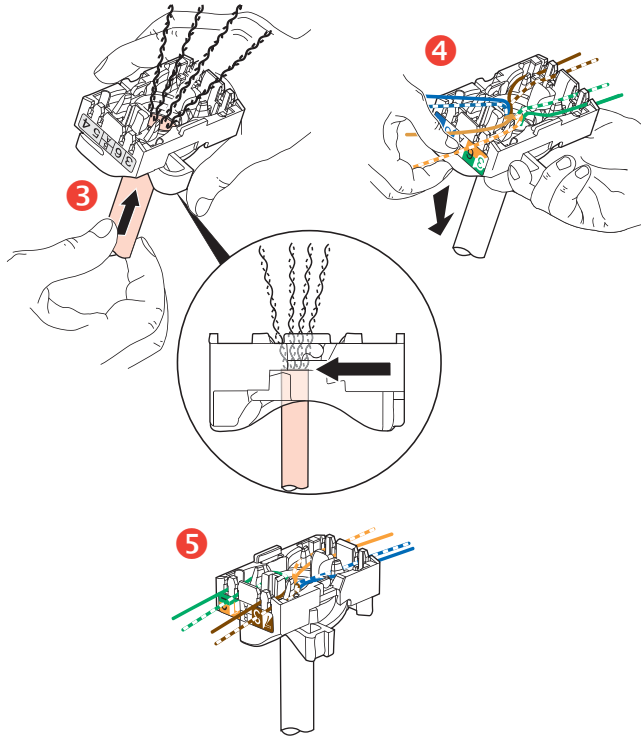


Conductors supported:
Solid/stranded: 0.4 to 0.65 mm, AWG 22 to 26.
Polyethylene conductor insulation: max. Ø 0.85 to 1.7 mm on insulation.
RJ 45 connectors are equipped with a locking nut that does not require the use of a specific tool and which enables re-wiring in the event of error.



4. CONNECTION (continued)

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 CHARACTERISTICS

■ 5.1 Mechanical characteristics

Impact resistance: IK 04
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).

■ 5.2 Material characteristics

Contacts: gold/nickel, thickness of gold > 0.8 µm minimum
Metal parts: bronze, nickel, platinum, gold
Base: Polycarbonate PBT
Cover plates: ABS
Halogen-free
UV-resistant

Self-extinguishing:

850°C/30 s for insulating components holding live parts in place
650°C/30 s for other insulating components

■ 5.3 Electrical characteristics

Breakdown voltage ≥ 1000 V
Contact resistance ≤ 20 MΩ
Insulation resistance ≥ 500 MΩ at 100 VDC

■ 5.4 Climate characteristics

Storage temperature: -10°C to +70°C
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.

Caution: Always test before using other special cleaning products

7. STANDARDS AND APPROVALS

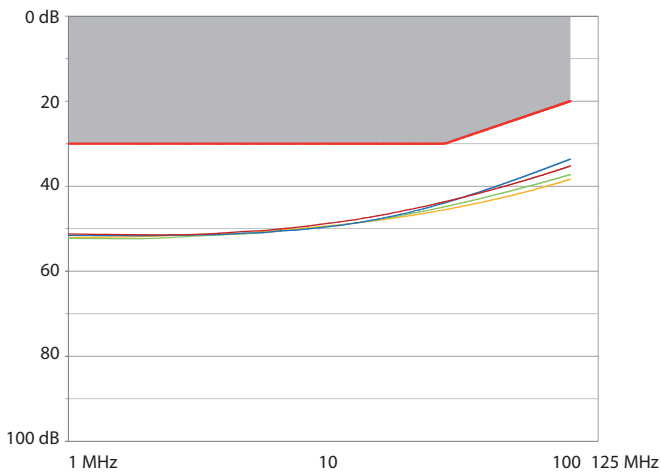
Connectors are compliant to requirements for the following remote powering applications IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt: "Power over Ethernet", Types 1 to 4, up to 90 W.

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

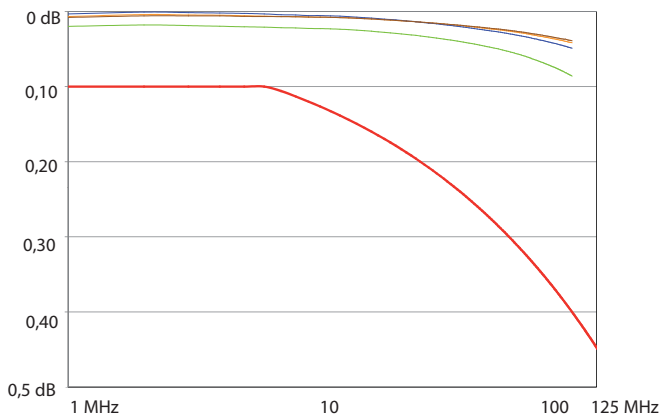
8. PERFORMANCE

■ 8.1 Performance of components (RJ 45 connectors)

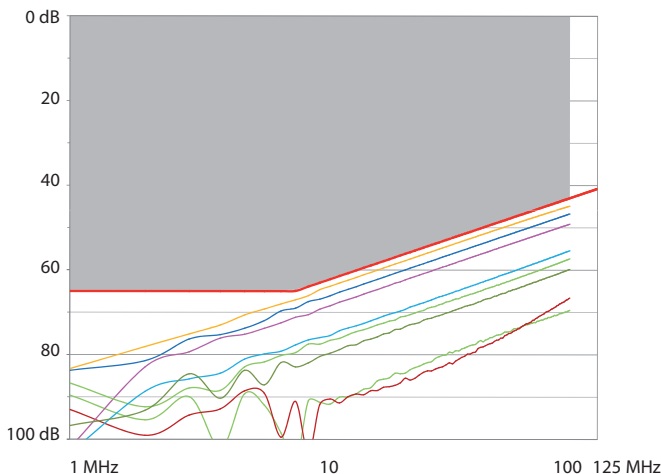
Return loss



Attenuation



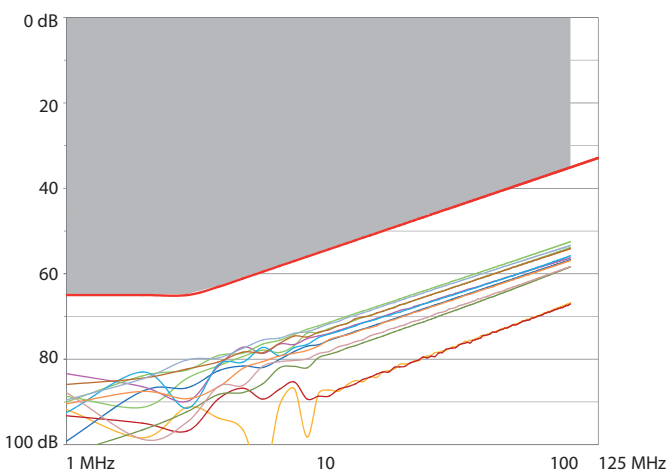
NEXT (Near end Crosstalk Attenuation)



8. PERFORMANCE (continued)

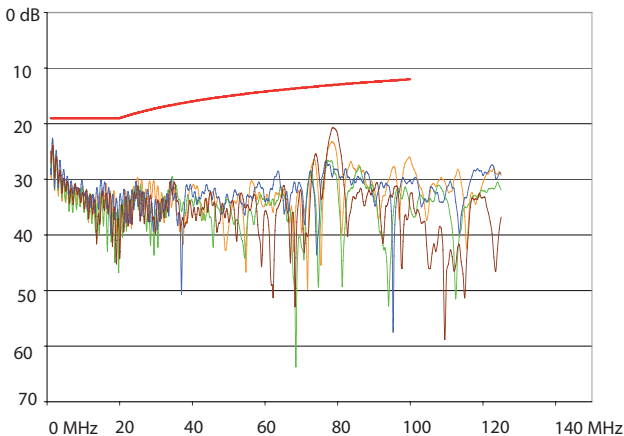
■ 8.1 Performance of components (RJ 45 connectors) (continued)

FEXT (Far end Crosstalk Attenuation)

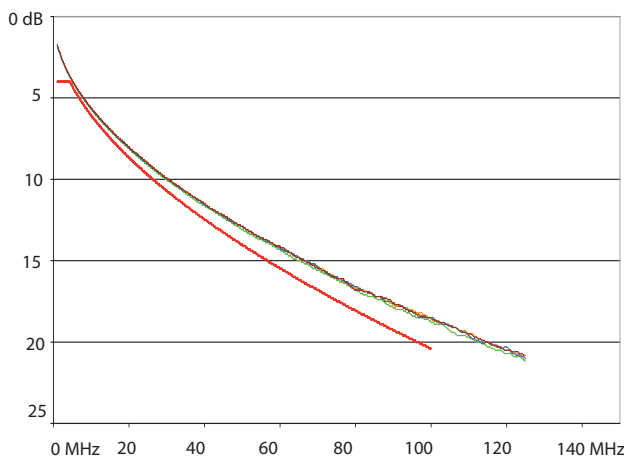


■ 8.2 Performance of permanent link with F/UTP cable

Return loss

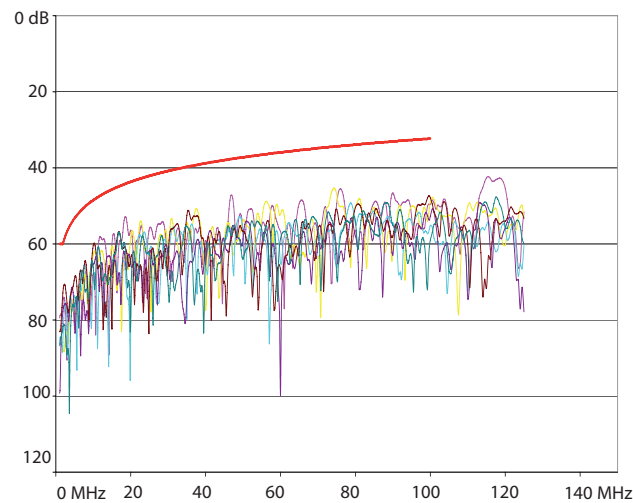


Attenuation

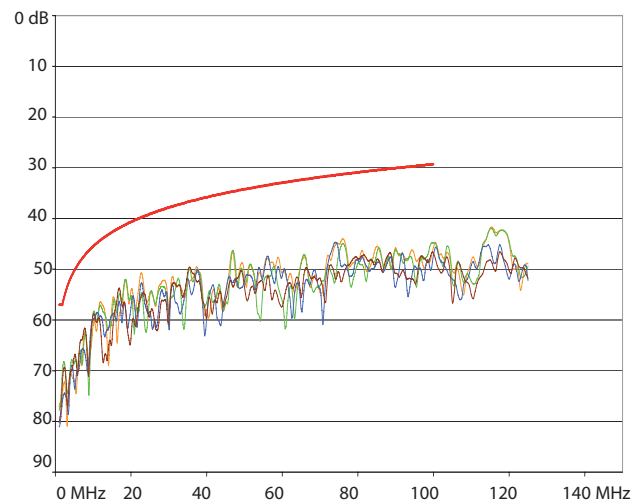


8. PERFORMANCE (continued)

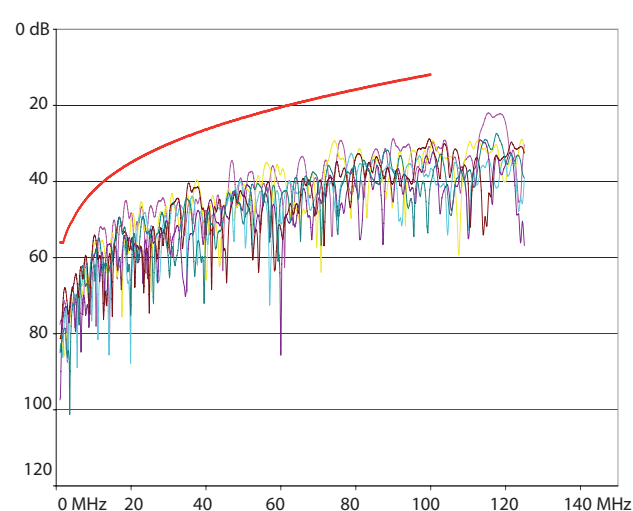
■ 8.2 Performance of permanent link with F/UTP cable (continued)
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



ACR (Attenuation to Crosstalk Ratio) (Ecart paradiaphonique)



8. PERFORMANCE (continued)

■ 8.2 Performance of permanent link with F/UTP cable (continued)
ELFEXT (Equal Level End Crosstalk Attenuation)

