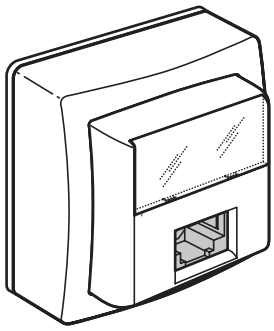
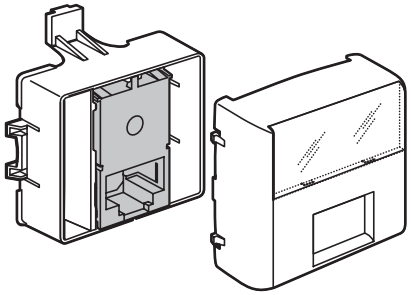
87045 LIMOGES Cedex
Telephone : (+33) 0 5 55 06 87 87 - Fax : (+33) 0 5 55 06 88 88

Surface-mounting RJ 45 socket for LCS5 - Category 5e

Cat. No(s) : 860 59/61 - 861 59/61





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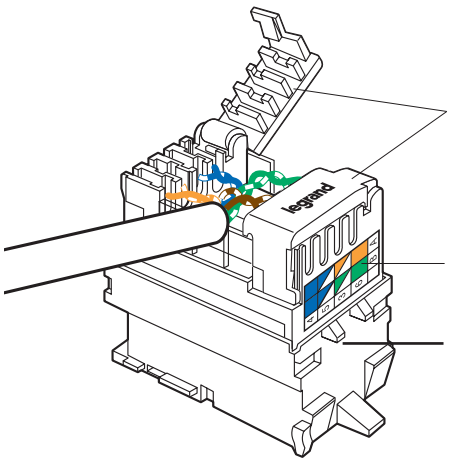
1. GENERAL CHARACTERISTICS

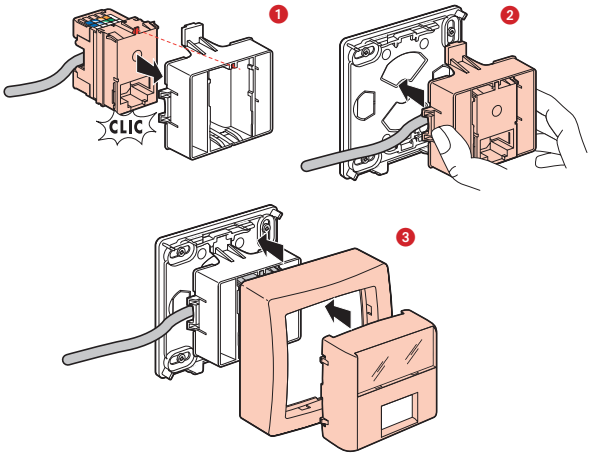
RJ 45 socket, category 5e.
For high data rate transmissions (Ethernet Gigabit).

	UTP	FTP
	AL 01	AL 02
	860 59	860 61
	861 59	861 61

2. PRESENTATION



3. MOUNTING



4. TECHNICAL CHARACTERISTICS

Contacts: gold/nickel, gold thickness > 1.27 µm.

Metal parts: bronze (CuSn5).
Insulating module: ABS - polycarbonate.
Cover plate: polycarbonate RAL 9010.

RJ 45 connectors equipped with rotary levers not requiring specific tool and enabling re-cabling in case of error.

Double colour code EIA - TIA 568 A and B on terminals
- UTP 8 contacts
- FTP 9 contacts
Permissible conductors :
- Single-strand: 0.5-0.65 mm, AWG 24-22
- Polyethylene conductor insulator: max Ø on insulator 1.5 mm.

Number of wires to be connected per connection : 1
Max number of connections and disconnections :
5 including 2 without refreshing the wire.
Breakdown voltage ≥ 1000 V.
Contact resistance ≤ 20 m Ω.
Insulation resistance ≥ 500 mΩ at 100 V DC.

Operating temperatures: - 40 °C to + 70 °C
6-day wet heat cycle.
Resistance to gas (H2S and SO2).

Endurance: 2500 operations (plugging in/unplugging).

Accepts plugs :
RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts).

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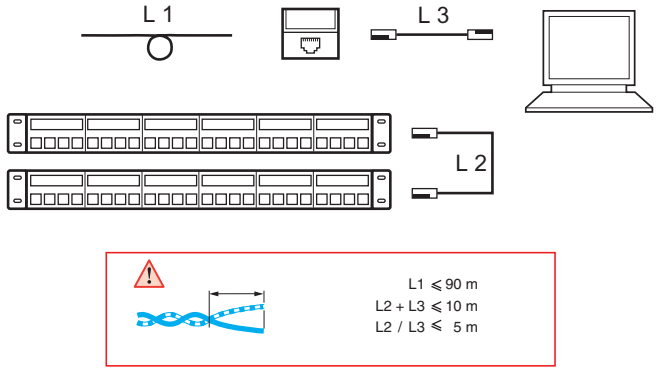
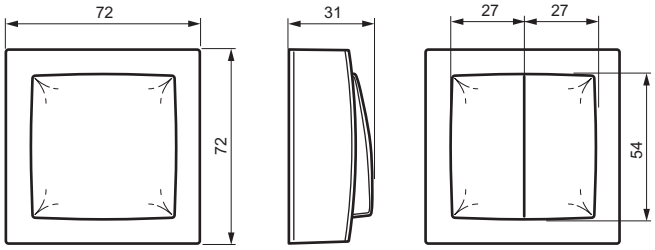
5. INSTALLATION RULES

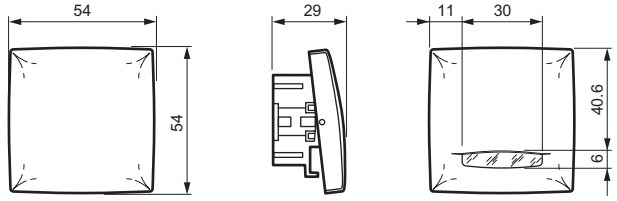


6. OVERALL DIMENSIONS

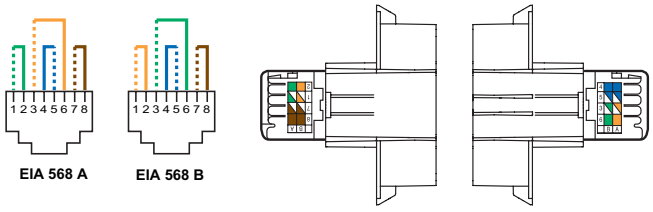
Complete



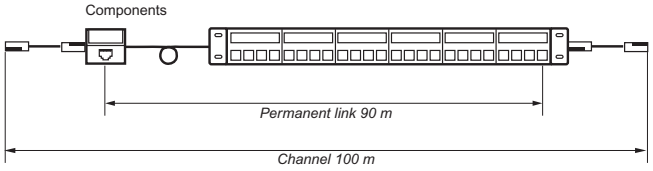
Configurable



7. RJ 45 STANDARD CONNECTION

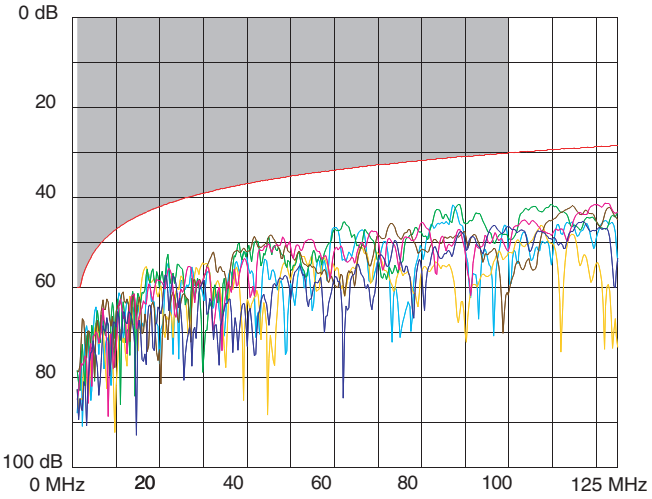


8. PERFORMANCE

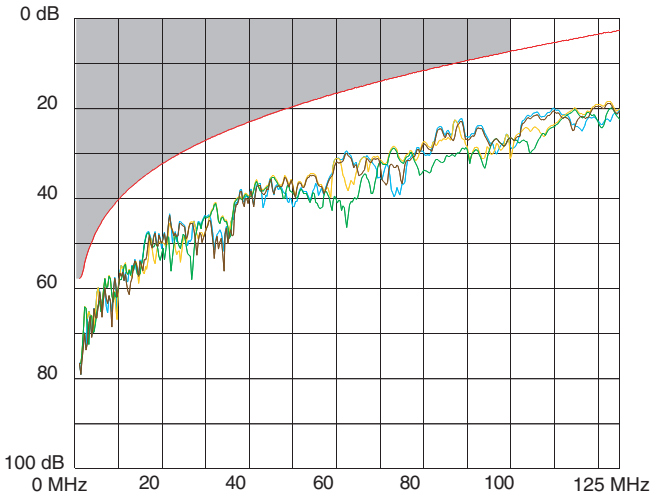


8.1 Component performance (RJ 45 connectors)

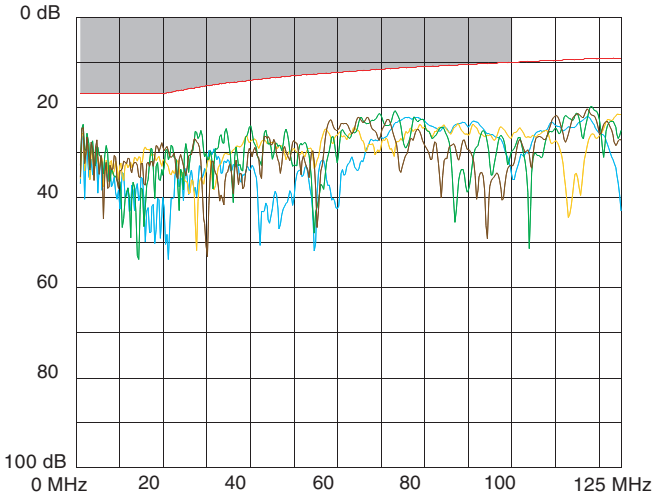
UTP - NEXT



UTP - ACR



UTP - RETURN LOSS



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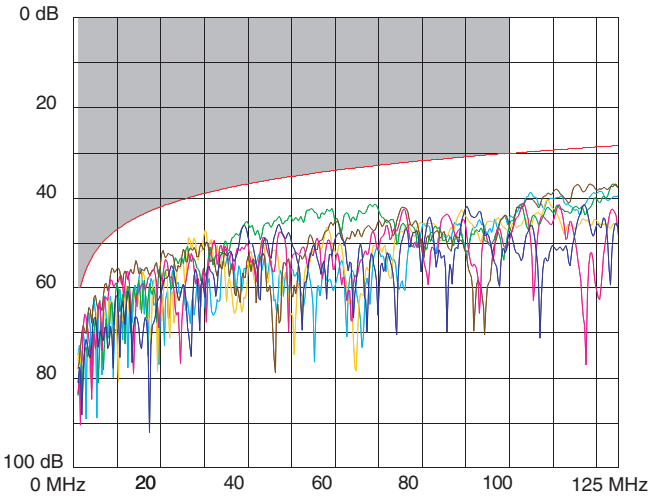
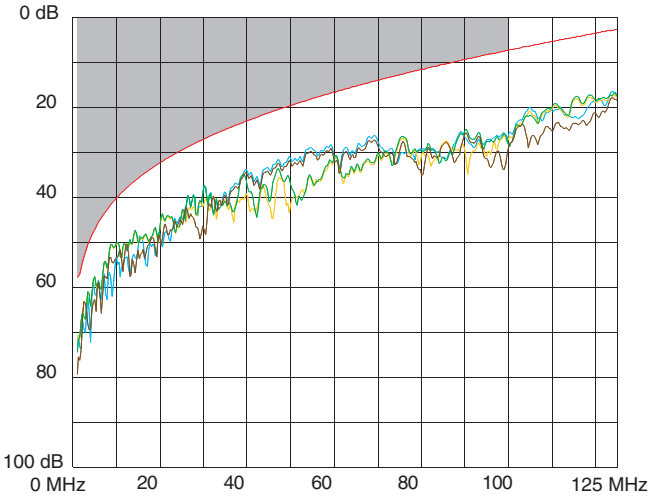
8. PERFORMANCE *(continued*

8.1 Component performance (RJ 45 connectors)

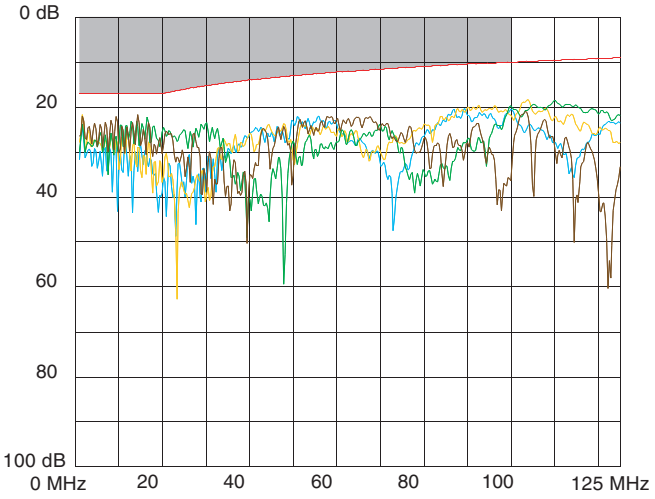
FTP - NEXT



FTP - ACR



FTP RETURN LOSS



9. STANDARDS AND APPROVALS

Conform with the following standards
ISO 11 801 Second edition
EN 50 173 Second edition
EIA / TIA - 568 - B.2
NFC 20 730
Standard 8877 - 603.7
Approval No. 3P: 102 180