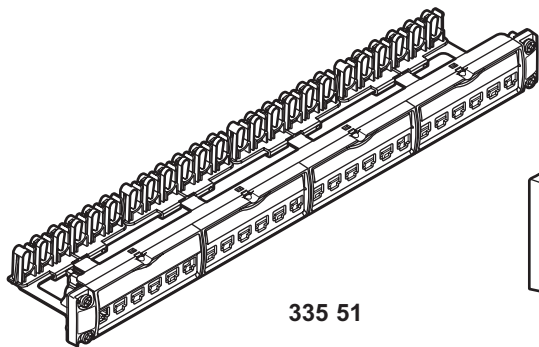
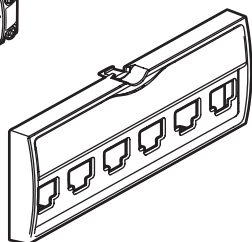


LCS² Cat. 5e RJ 45 panels and units

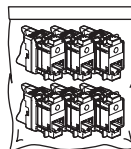
Cat. no(s): 335 51/52/54/55



335 51



335 54



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1. GENERAL CHARACTERISTICS

Patch panels are 19" in size and are equipped with 4 units (24 RJ 45 Cat. 5e).

They are supplied with:

- 4 captive screws
- 4 universal cage nuts
- 1 label holder
- 6 sets of numbered, coloured stickers from 1 to 24 (white, grey, red, blue, green, yellow)

Units are equipped with 6 RJ 45 Cat. 5e. connectors Units are delivered with a set of stickers.

Panels ensure automatic earthing of each connector.

The RJ 45 connectors on the panels and units are identical and have a tailored ergonomic design.

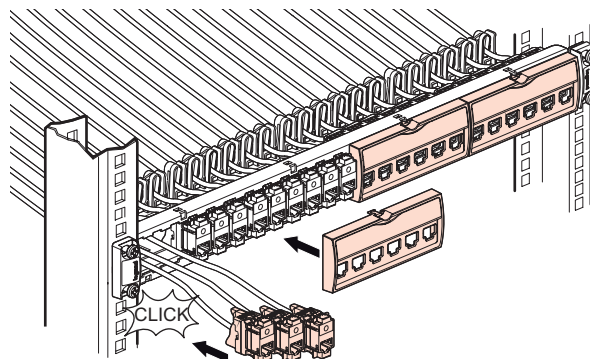
Designation	UTP	FTP	Weight (g)
 24 RJ 45 panel Cat. 5e UTP	335 51		760
		335 52	760
 6 RJ 45 unit Cat. 5e UTP	335 54		75
		335 55	75

2. REAL LIFE SCENARIOS

Connectors are connected from the front without requiring a special tool.

- Connector simply snaps onto the panel
- Fastening of label holder faceplate ensuring perfect finish of the 6 connectors

No need for cable ties: the cable stays in the cable guide.



3. TECHNICAL FEATURES

3.1 Characteristics of the materials

- Panel: DC01 galvanised sheet steel
- Unit: RAL 9005 polycarbonate
- Connector:
 - Contacts: gold/nickel, thickness of gold >0.8 em minimum
 - Metal pieces: bronze, nickel, platinum, gold
 - Polycarbonate PBT

3.2 Electrical characteristics

- Breakdown voltage M 1000 V
- Contact resistance m 20 mΩ
- Insulation resistance M 500 MΩ under 100 V DC
- Performance of resistance to a POE signal up to 50 W

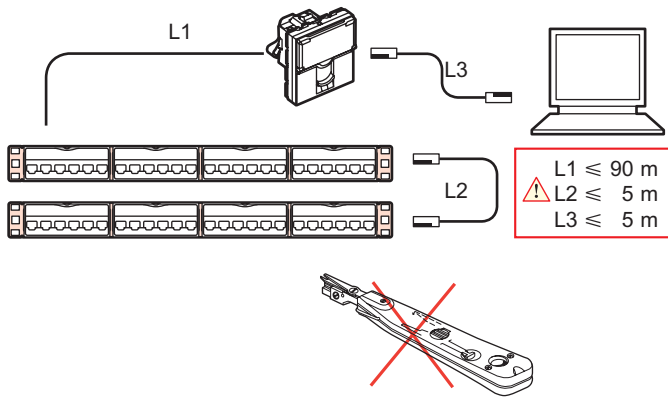
3.3 Mechanical characteristics

- Max. number of connections/disconnections: 5 without re-preparing the wire
- Endurance: 2500 operations (plug-in/pull-out)
- IK03

3.4 Climatic characteristics

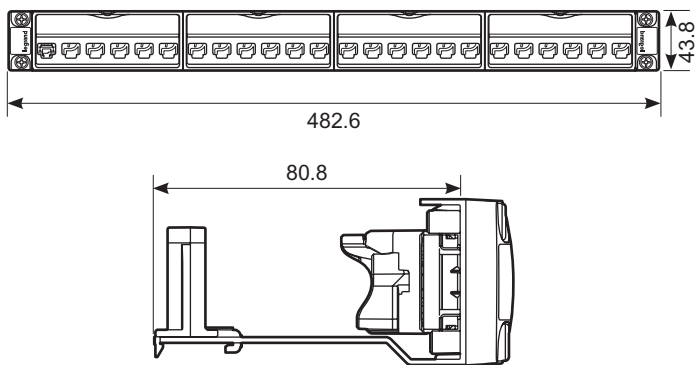
- Operating temperatures: -40°C to +70°C
- Humid heat 21-day cycle

4. INSTALLATION

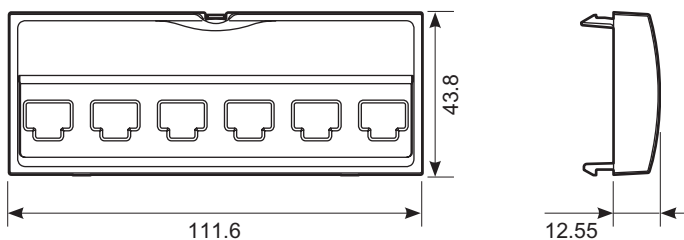


5. OVERALL DIMENSIONS

Patch panel Cat. No. 335 51/52



Unit Cat. No. 335 54/55

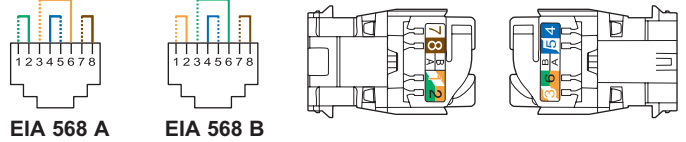


6. STANDARD RJ 45 CONNECTION

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

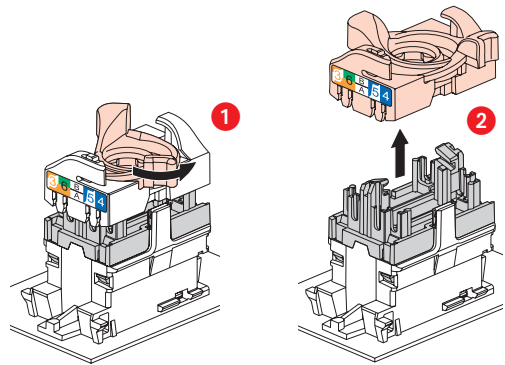


Permitted conductors:

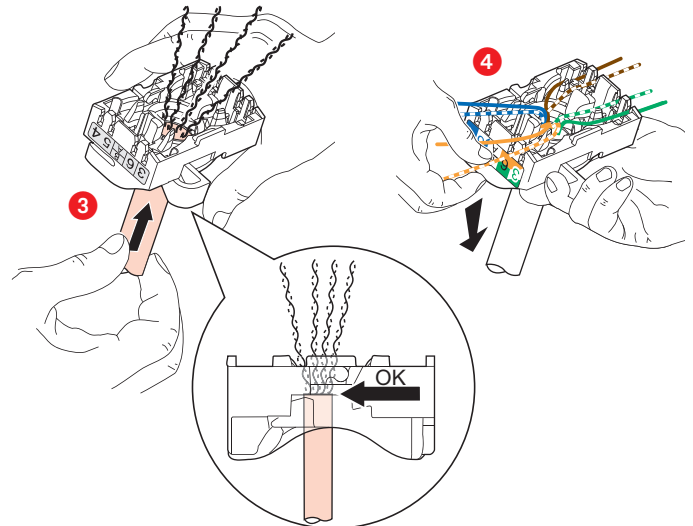
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

Number of wires to be connected per connection: 1

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.

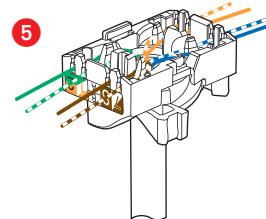


This system allows you to spread pairs with ease before fitting them onto the connector.



Spreading the cables allows you to ensure that a pair-breakage distance of 13 mm is kept between each pair.

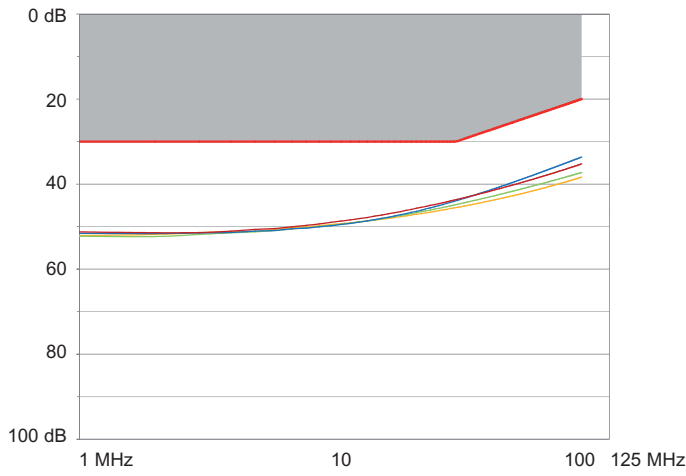
Spreading pairs at 90° to the cable ensures the best possible performance.



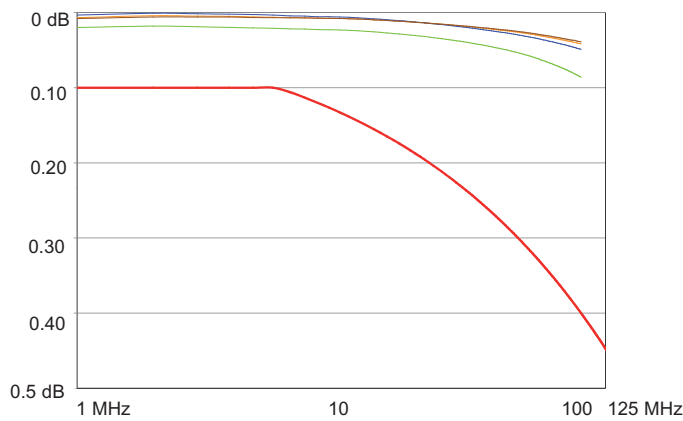
7. PERFORMANCE

7.1 Performance of components (RJ 45 connectors)

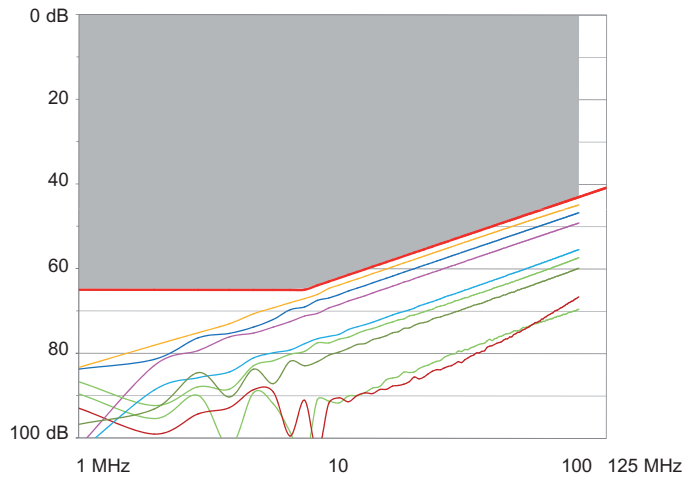
Return loss



Attenuation



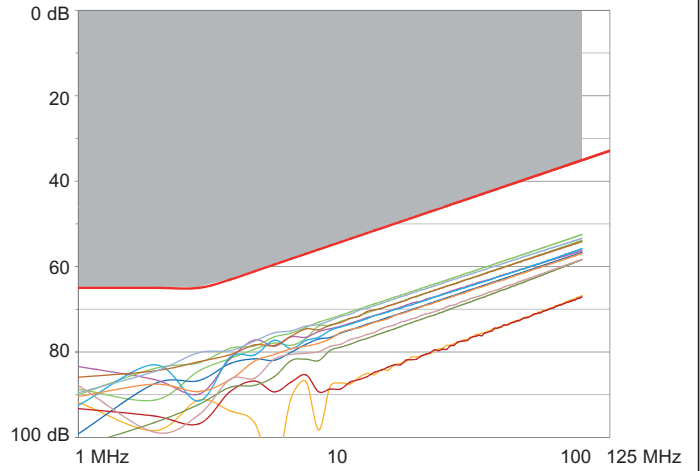
NEXT (Near end Crosstalk Attenuation)



7. PERFORMANCE (continued)

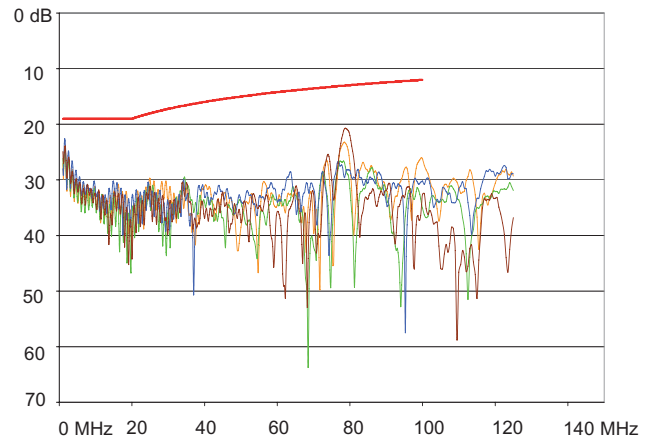
7.1 Performance of components (RJ 45 connectors) (continued)

FEXT (Far end Crosstalk Attenuation)

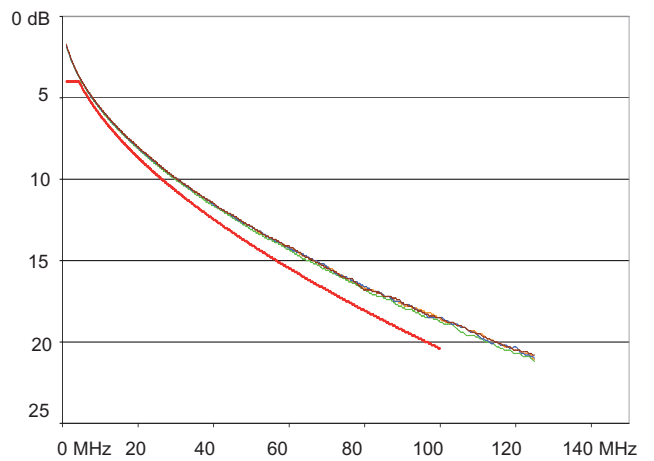


7.2 Performance of permanent link with F/UTP cable

Return loss

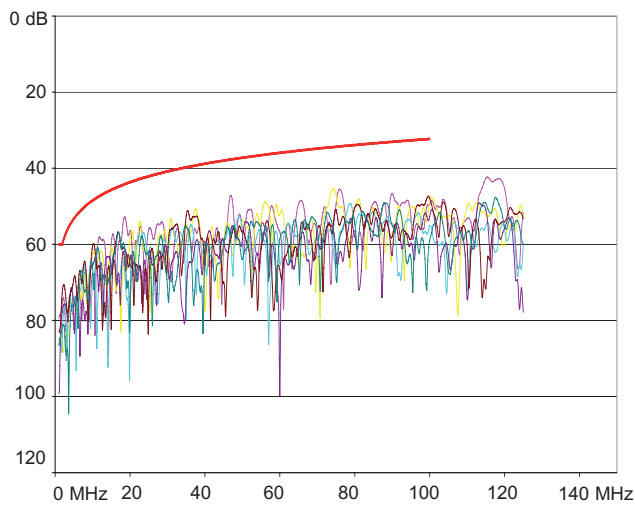


Attenuation

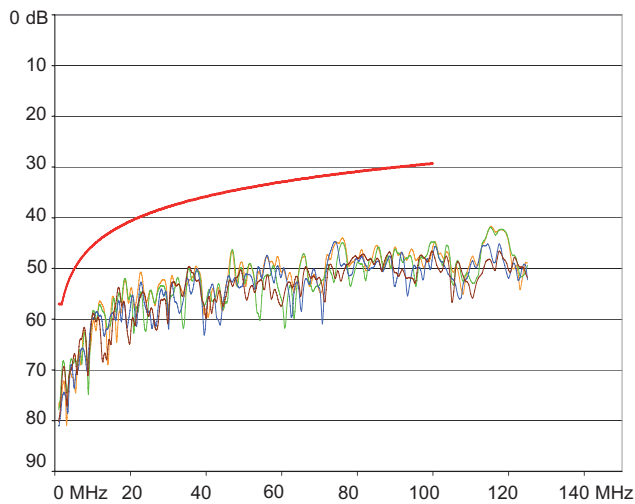


7. PERFORMANCE (continued)

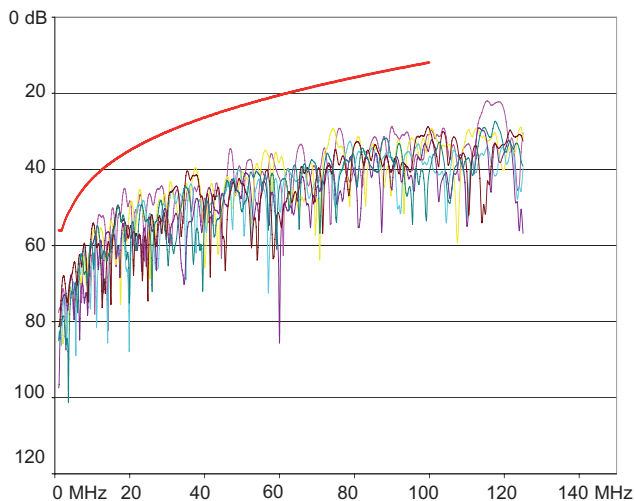
7.2 Performance of permanent link with F/UTP cable (continued)
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

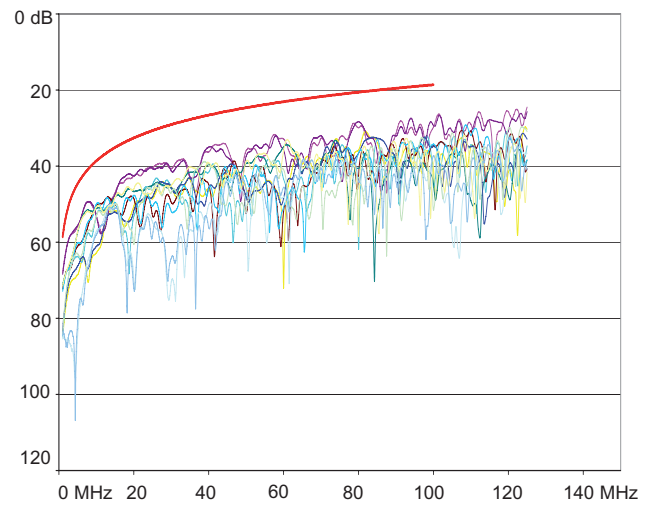


ACR (Attenuation to Crosstalk Ratio)



7. PERFORMANCE (continued)

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



8. STANDARDS AND APPROVALS

Conforms to standards: ISO/IEC 11801 Ed2 and Amd.
CENELEC EN 50173-1 2007
ANSI/EIA/TIA 568-C.2
IEC 60603-7 series