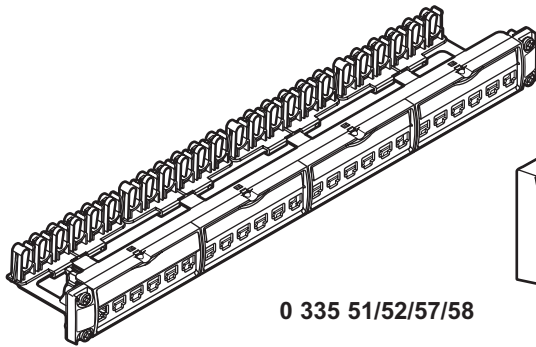
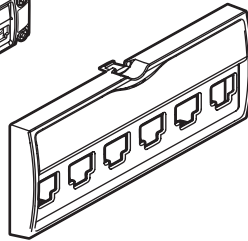


## LCS<sup>2</sup> Cat. 5e RJ 45 panels and units

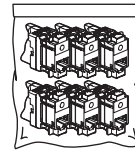
Cat. no(s): 0 335 51/52/54/55/57/58



0 335 51/52/57/58



0 335 54/55



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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.

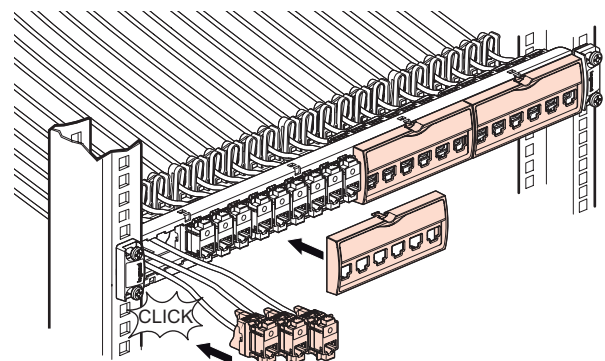
Designation	UTP	FTP	Weight (g)
	0 335 51 0 335 57		760
		0 335 52 0 335 58	760
	0 335 54		75
		0 335 55	75

## 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

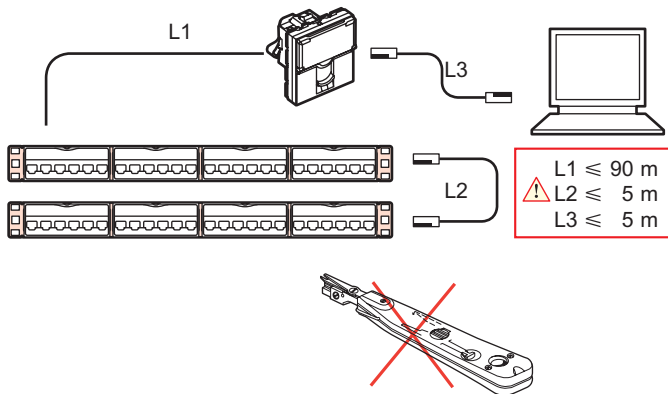
### 3.3 Mechanical characteristics

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

### 3.4 Climatic characteristics

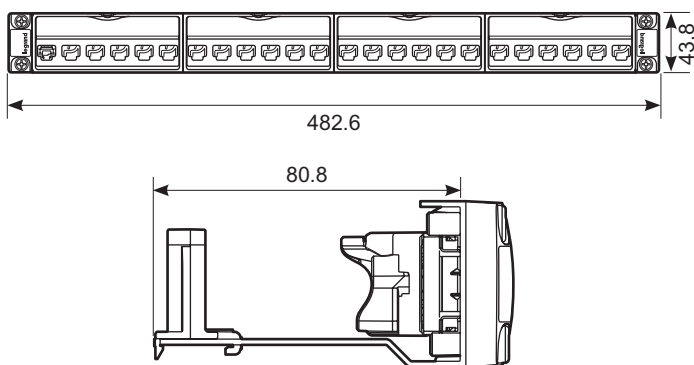
- Operating temperatures: -40°C to +70°C
- Humid heat 21-day cycle

## 4. INSTALLATION

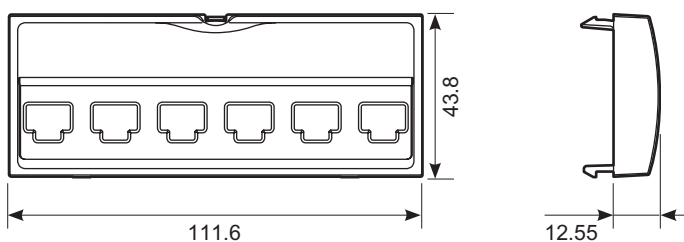


## 5. OVERALL DIMENSIONS

Patch panel Cat. No. 0 335 51/52/57/58



Unit Cat. No. 0 335 54/55

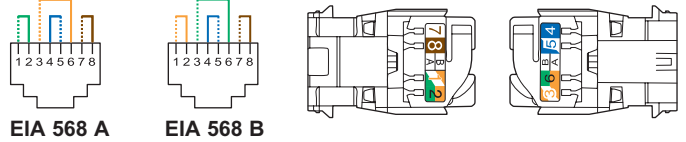


## 6. STANDARD RJ 45 CONNECTION

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

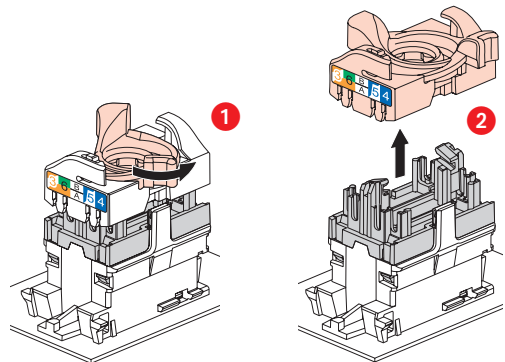


Permitted conductors:

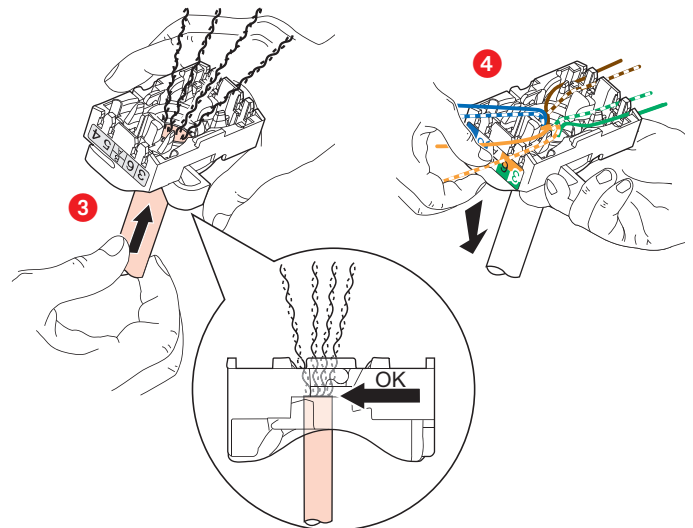
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

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.

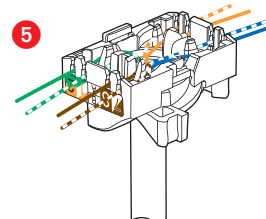


This system allows you to spread pairs with ease before fitting them onto the connector.



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

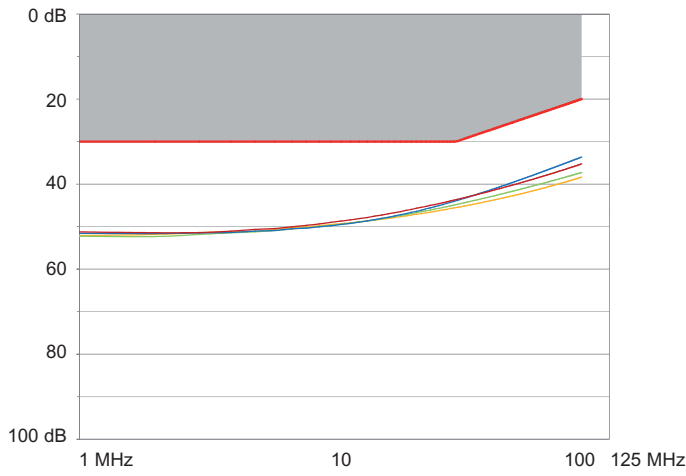
Spreading pairs at 90° to the cable ensures the best possible performance.



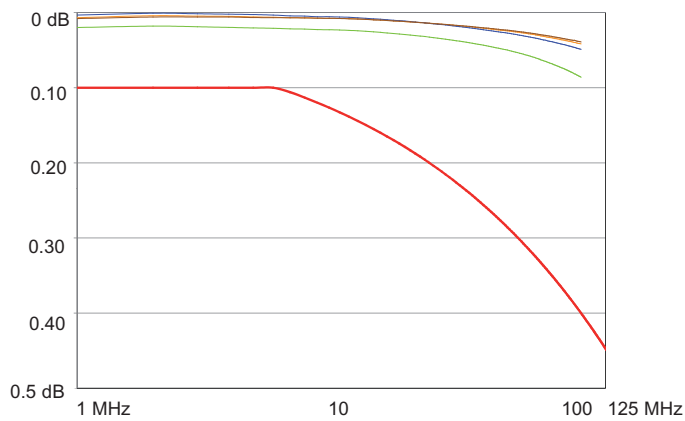
**7. PERFORMANCE**

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

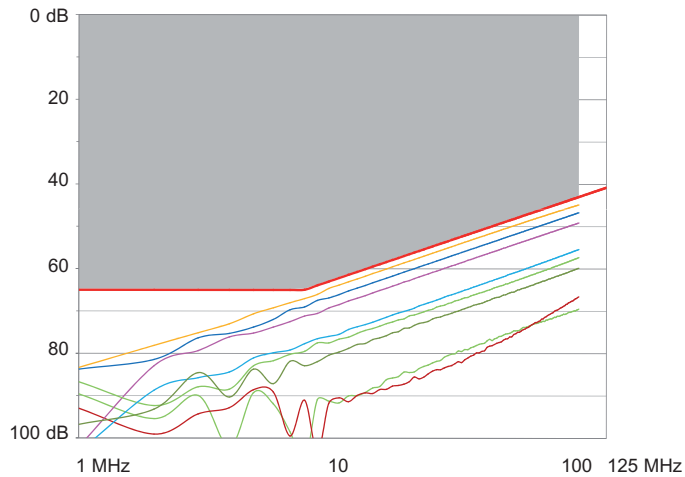
Return loss



Attenuation



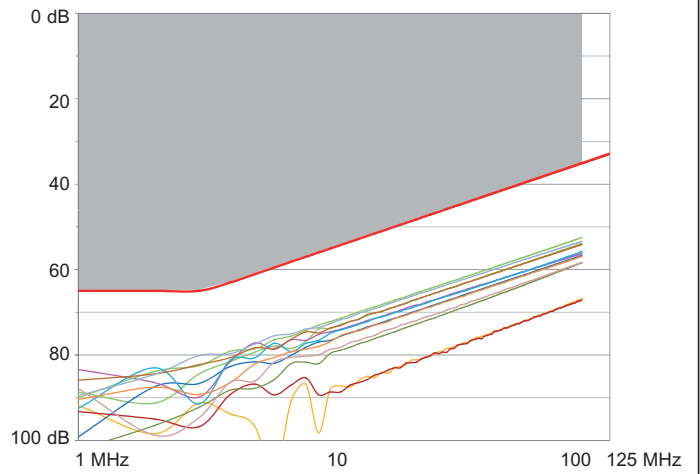
NEXT (Near end Crosstalk Attenuation)



**7. PERFORMANCE (continued)**

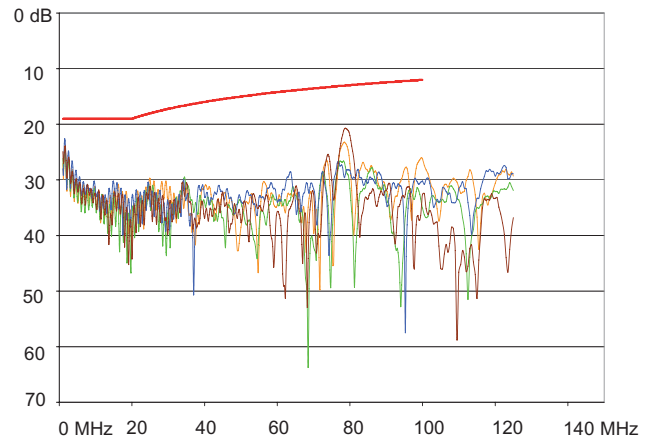
**7.1 Performance of components (RJ 45 connectors) (continued)**

FEXT (Far end Crosstalk Attenuation)

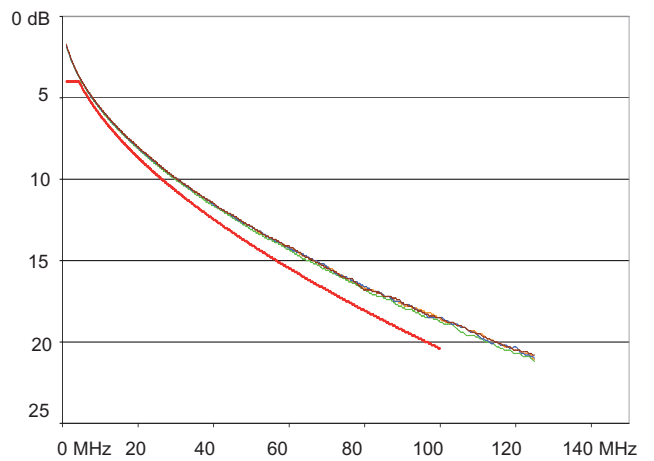


**7.2 Performance of permanent link with F/UTP cable**

Return loss

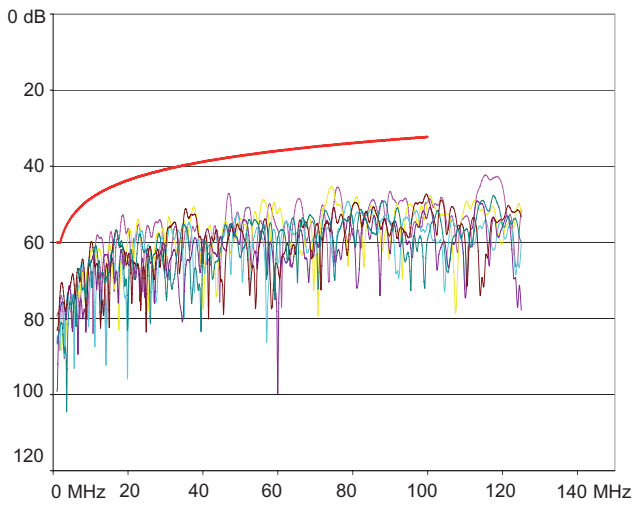


Attenuation

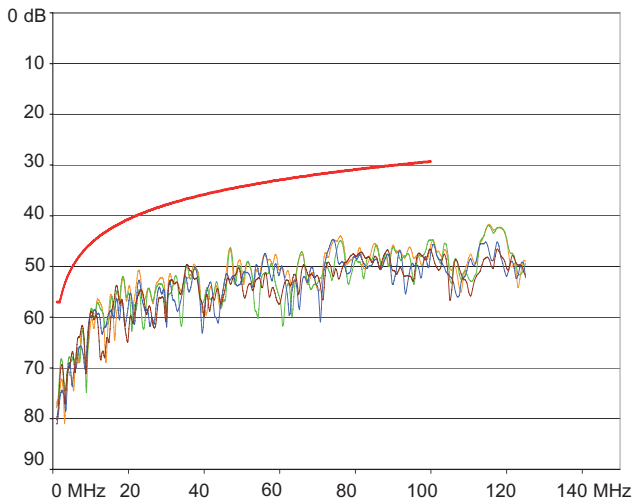


**7. PERFORMANCE** (continued)

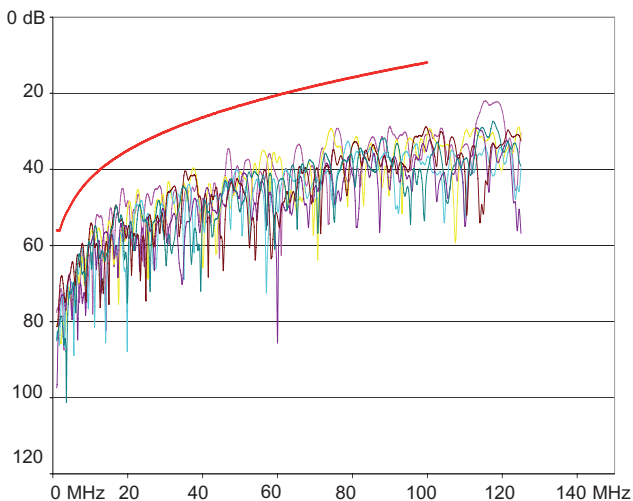
**7.2 Performance of permanent link with F/UTP cable** (continued)  
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

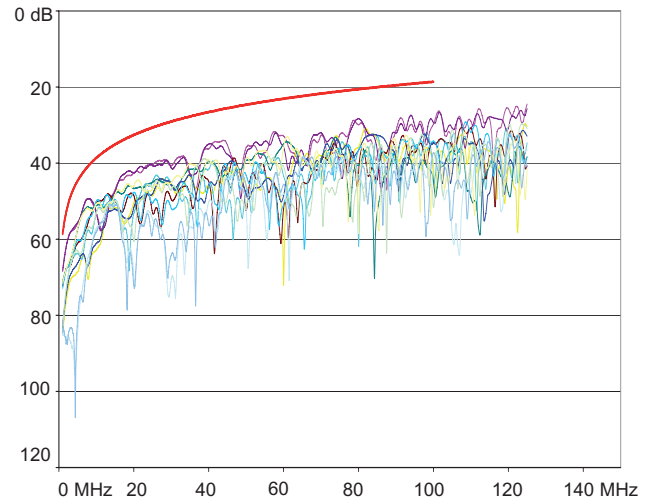


ACR (Attenuation to Crosstalk Ratio)



**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