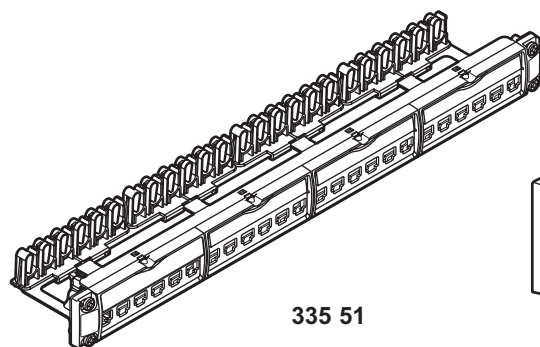
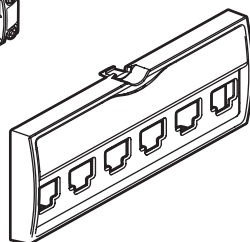
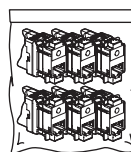




335 51



335 54



CONTENTS

Page

1. General characteristics	1
2. Real life scenarios	1
3. Technical features	2
4. Installation	2
5. Overall dimensions	2
6. Standard RJ 45 connections	2
7. Performance	3
8. Standards and approvals	4

1. GENERAL CHARACTERISTICS

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

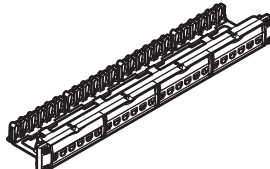
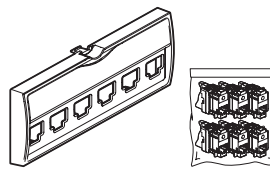
They are supplied with:

- 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.

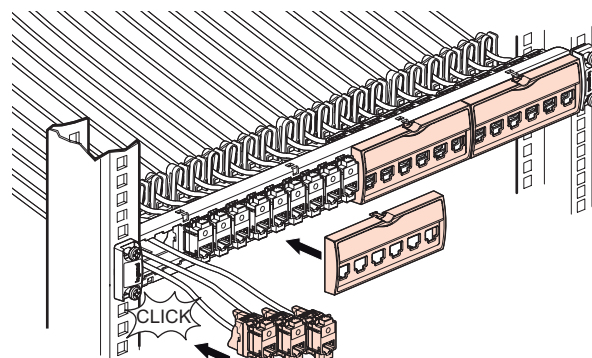
	Designation	UTP 	FTP 	Weight (g)
	24 RJ 45 panel Cat. 5e UTP	335 51		760
	24 RJ 45 panel Cat. 5e FTP		335 52	760
	6 RJ 45 unit Cat. 5e UTP	335 54		75
	6 RJ 45 unit Cat. 5e FTP		335 55	75

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)

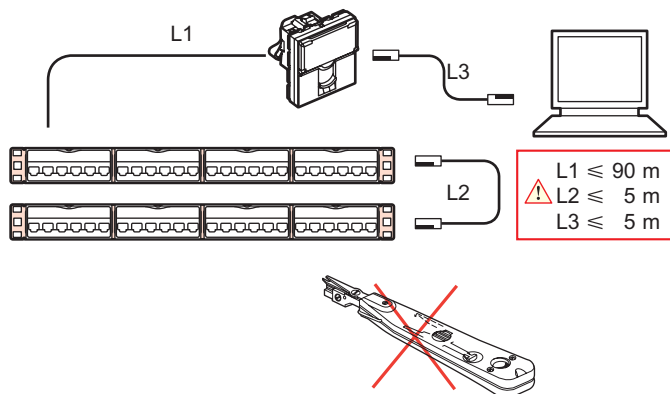
IK03

3.4 Climatic characteristics

Operating temperatures: -40°C to +70°C

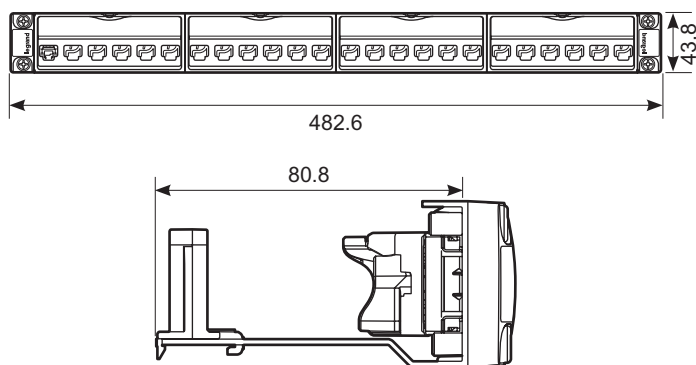
Humid heat 21-day cycle

4. INSTALLATION

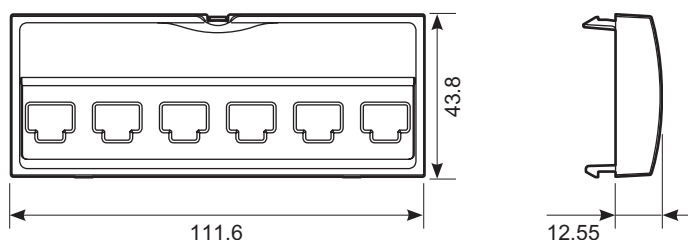


5. OVERALL DIMENSIONS

Patch panel Cat. No. 335 51/52



Unit Cat. No. 335 54/55



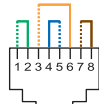
6. STANDARD RJ 45 CONNECTION

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:

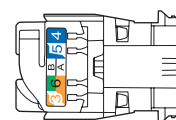
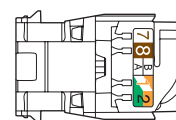
- UTP 8 contacts
- FTP 9 contacts



EIA 568 A



EIA 568 B

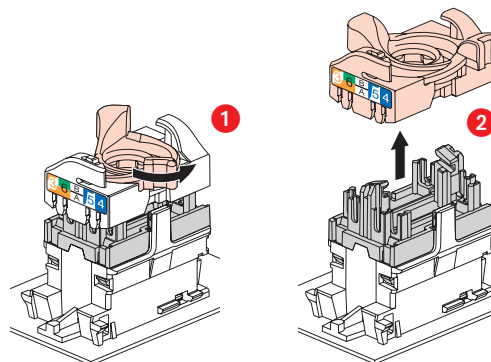


Permitted conductors:

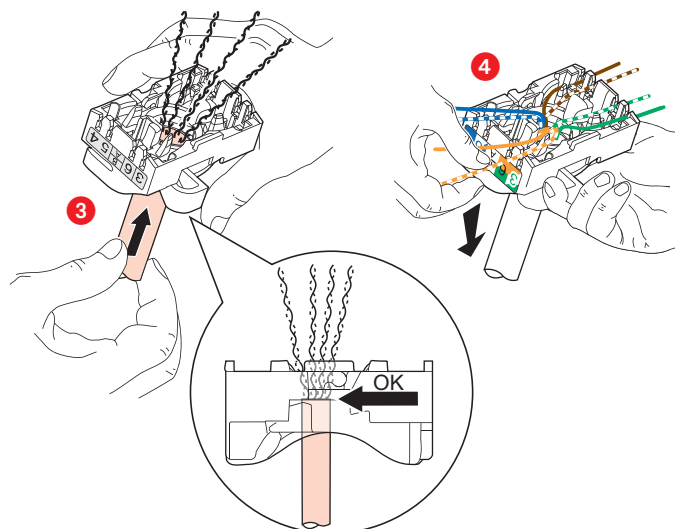
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25
- Multicore: AWG 26
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

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.

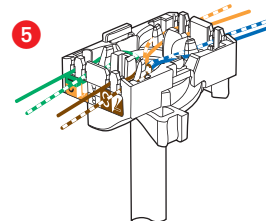


This system allows you to spread pairs with ease before fitting them onto the connector.



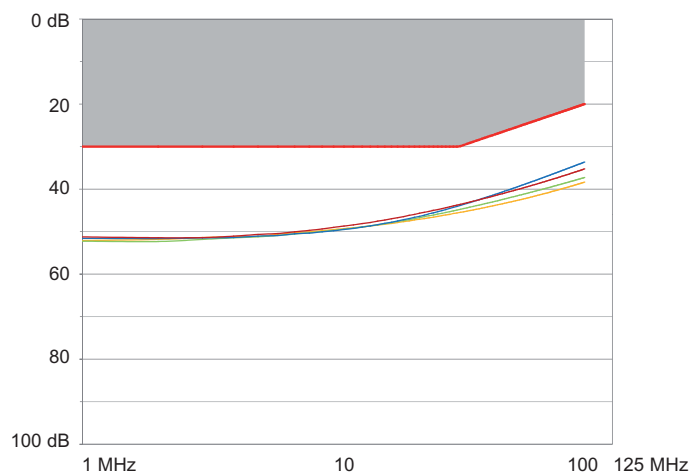
Spreading the cables allows you to ensure that a pair-breakage distance of 13 mm is kept between each pair.

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

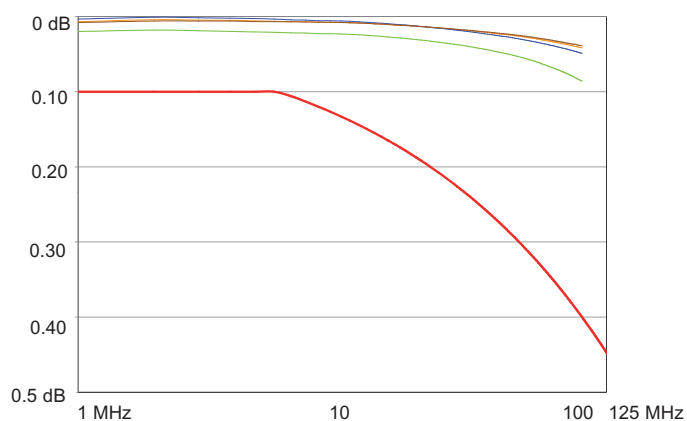


7. PERFORMANCE**7.1 Performance of components (RJ 45 connectors)**

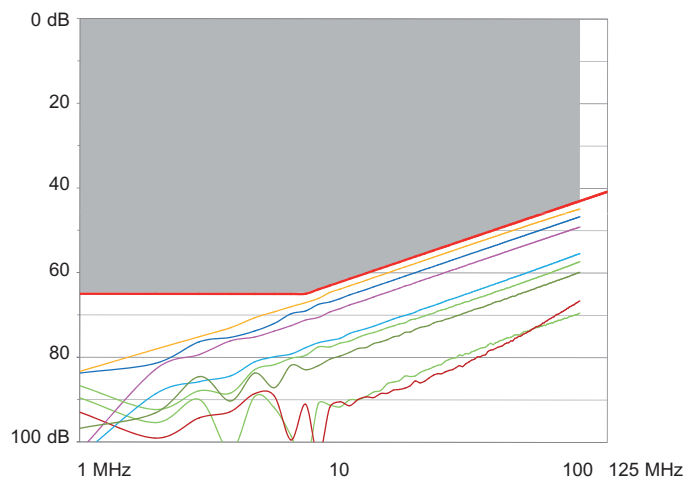
Return loss



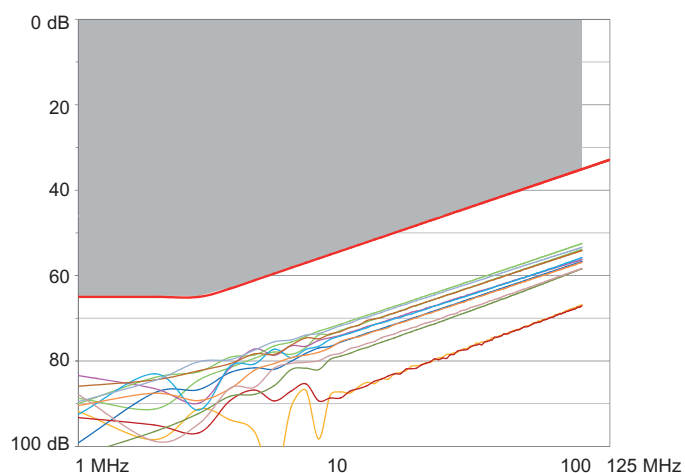
Attenuation



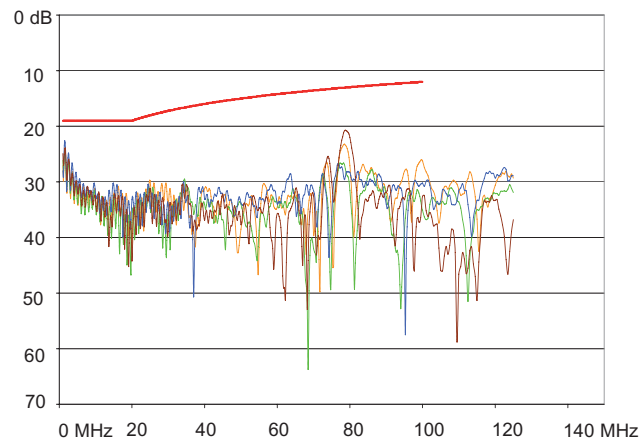
NEXT (Near end Crosstalk Attenuation)

**7. PERFORMANCE (continued)****7.1 Performance of components (RJ 45 connectors) (continued)**

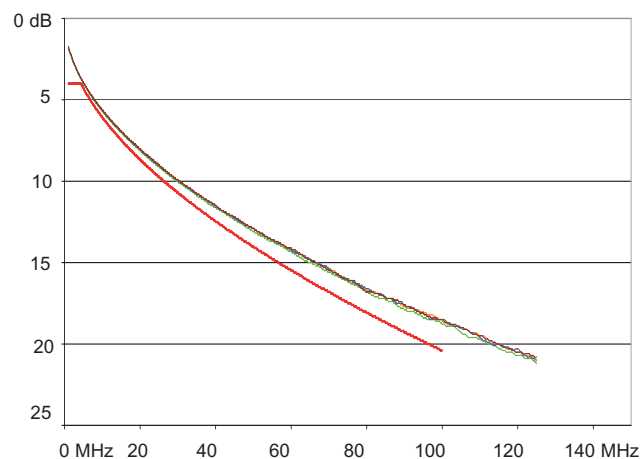
FEXT (Far end Crosstalk Attenuation)

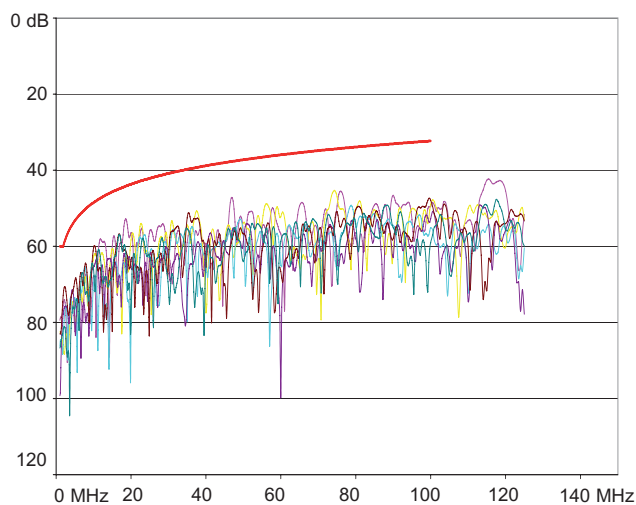
**7.2 Performance of permanent link with F/UTP cable**

Return loss

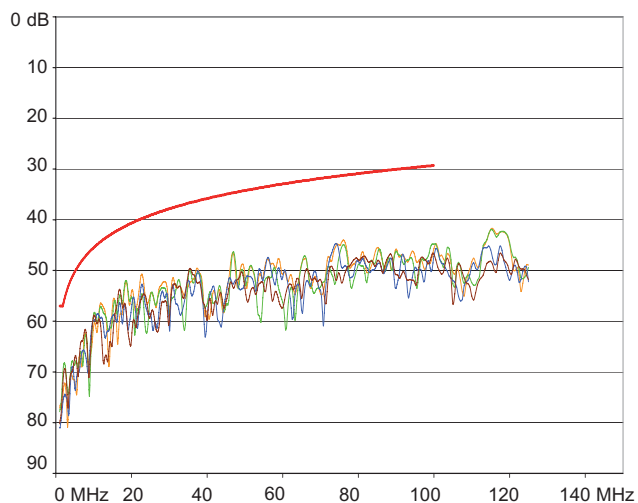


Attenuation

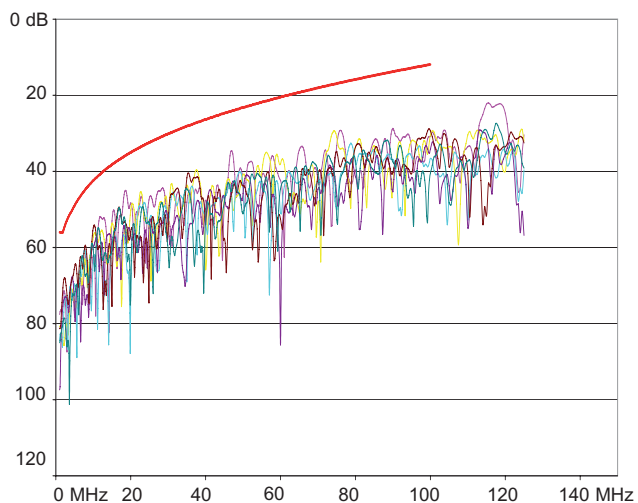
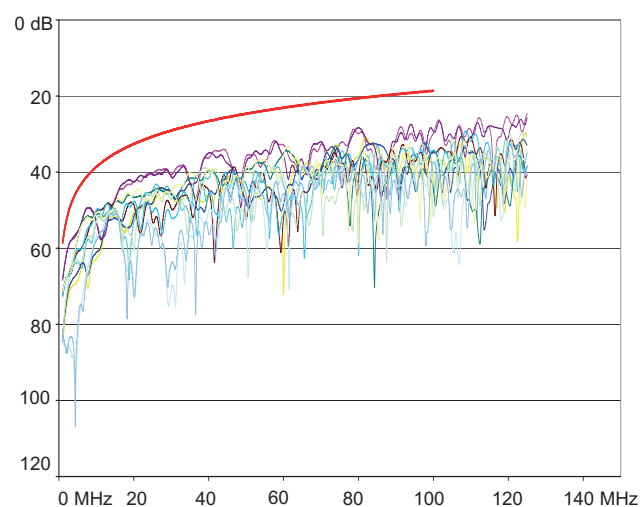


7. PERFORMANCE (continued)**7.2 Performance of permanent link with F/UTP cable** (continued)
NEXT (Near end Crosstalk Attenuation)

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