

Mosaic™

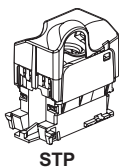
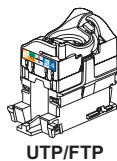
gniazda RJ 45



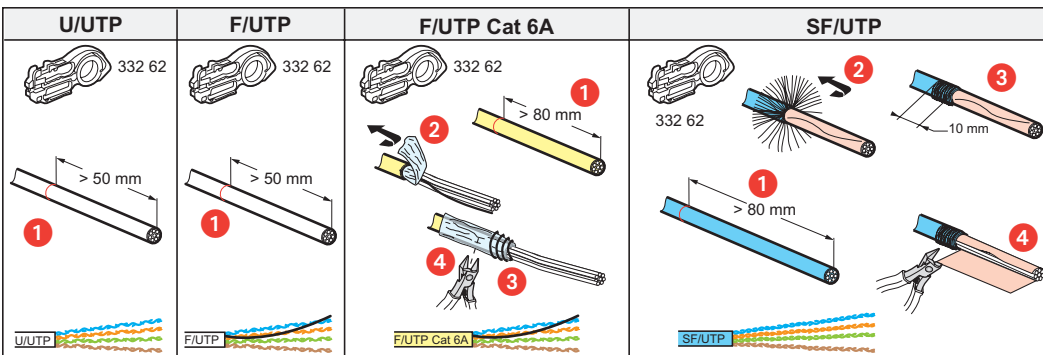
Gniazda ze złączem LCS² do szybkiego podłączania za pomocą zintegrowanego zacisku. Można do nich podłączać kable jednożyłowe AWG 22 do 26 i kable wielożyłowe (linka) AWG 26. Styki oznaczone kodem dwukolorowym i cyframi sekwencji 568 A i B. Zgodne z normami ISO/IEC 11801 (edycja 2.0), EN 50173-1 i EIA/TIA 568.

Pak.	Nr ref.	Gniazda RJ 45 Mosaic kat. 6
10	0765 62	FTP – 1 moduł
10	0794 62	○ Biały
10	0765 82	● Aluminium
		○ Biały antybakteryjny
10	0765 65	FTP – 2 moduły
10	0794 65	○ Biały
10	0765 22	● Aluminium
10	0765 23	○ Biały z zieloną klapką
		○ Biały z pomarańczową klapką
		FTP z kontrolą dostępu – 2 moduły
		Dostarczane z 2 kluczami na 5 gniazdek.
5	0765 95	○ Biały
		Z czerwoną klapką
10	0765 05	FTP 45° – 2 moduły, wyjście kątowe
		○ Biały
5	0765 06	FTP 45° 2 x RJ 45 – 2 moduły, wyjście kątowe
		○ Biały
		FTP, zwijany kabel z wtyczką RJ 45 – 4 moduły
		Ze zintegrowanym zwijanym automatycznie kablem (0,9 m), za pomocą przycisku.
1	0765 33	○ Biały
1	0794 33	● Aluminium
		FTP 90° – 2 moduły
		Gniazdo z zatrzaskiem pionowym do montażu w kolumnach.
10	0765 92	○ Białe
10	0794 92	● Aluminium
10	0765 63	Ekranowane STP – 1 moduł
5	0765 83	○ Biały
		○ Biały antybakteryjny
10	0765 66	Ekranowane STP – 2 moduły
		○ Biały
		Ekranowane STP z kontrolą dostępu – 2 moduły
		Dostarczane z 2 kluczami na 5 gniazdek.
5	0765 96	○ Biały
		Z czerwoną klapką
		Ekranowane STP 90° – 2 moduły
		Gniazdo z zatrzaskiem pionowym do montażu w kolumnach.
10	0765 93	○ Biały

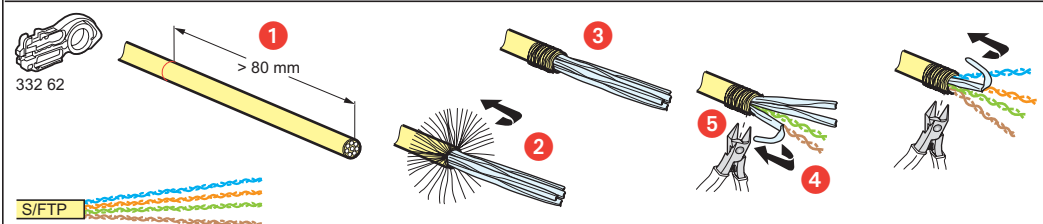
Pak.	Nr ref.	Gniazda RJ 45 kat. 5e, Mosaic
10	0765 51	UTP – 1 moduł
10	0794 51	○ Biały
		● Aluminium
10	0765 54	UTP – 2 moduły
10	0794 54	○ Biały
		● Aluminium
		UTP z kontrolą dostępu – 2 moduły
		Dostarczane z 2 kluczami na 5 gniazdek.
5	0765 97	○ Biały
		Z czerwoną klapką
		UTP, zwijany kabel z wtyczką RJ 45 – 4 moduły
		Ze zintegrowanym zwijanym automatycznie kablem (0,9 m), za pomocą przycisku.
1	0765 30	○ Biały
10	0765 01	UTP 45° – 2 moduły, wyjście kątowe
		○ Biały
5	0765 02	UTP 45° – 2 x RJ 45 – 2 moduły, wyjście kątowe
		○ Biały
10	0765 52	FTP – 1 moduł
10	0794 52	○ Biały
		● Aluminium
10	0765 55	FTP – 2 moduły
10	0794 55	○ Biały
		● Aluminium
		Gniazda przełotowe kat. 5e
		Łatwe podłączanie za pomocą wtyczki RJ 45. Zapewnia dostęp do sieci za pomocą gniazda RJ 45. Do budowy łącz kat. 5e. Zgodne z normami ISO 11801 (edycja 2.0), EN 50173-1 i EIA/TIA 568 w zakresie współpracy z punktami konsolidacyjnymi. Wielokierunkowe wprowadzenie dla kabla. Do montażu we wszystkich elementach rozprowadzenia instalacji o głębokości min. 40 mm. 2 moduły.
10	0786 20	Kat. 5e UTP Mosaic
10	0786 24	○ Biały
		● Aluminium
10	0786 21	Kat. 5e FTP Mosaic
10	0786 25	○ Biały
		● Aluminium



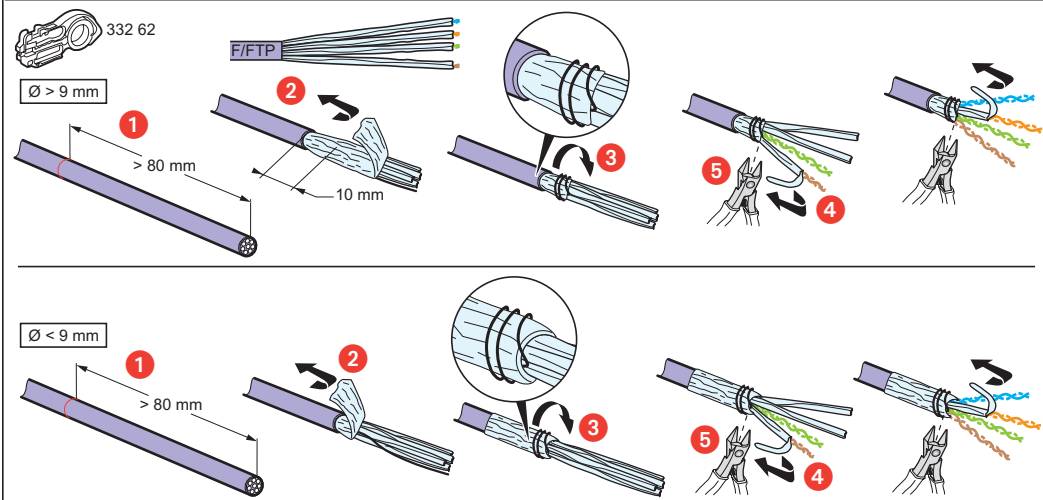
	UTP 	FTP 	STP  
Cat 5e	SA01	SA02	-
Cat 6	SA51	SA52	SA53
Cat 6A	SA61	-	SA63

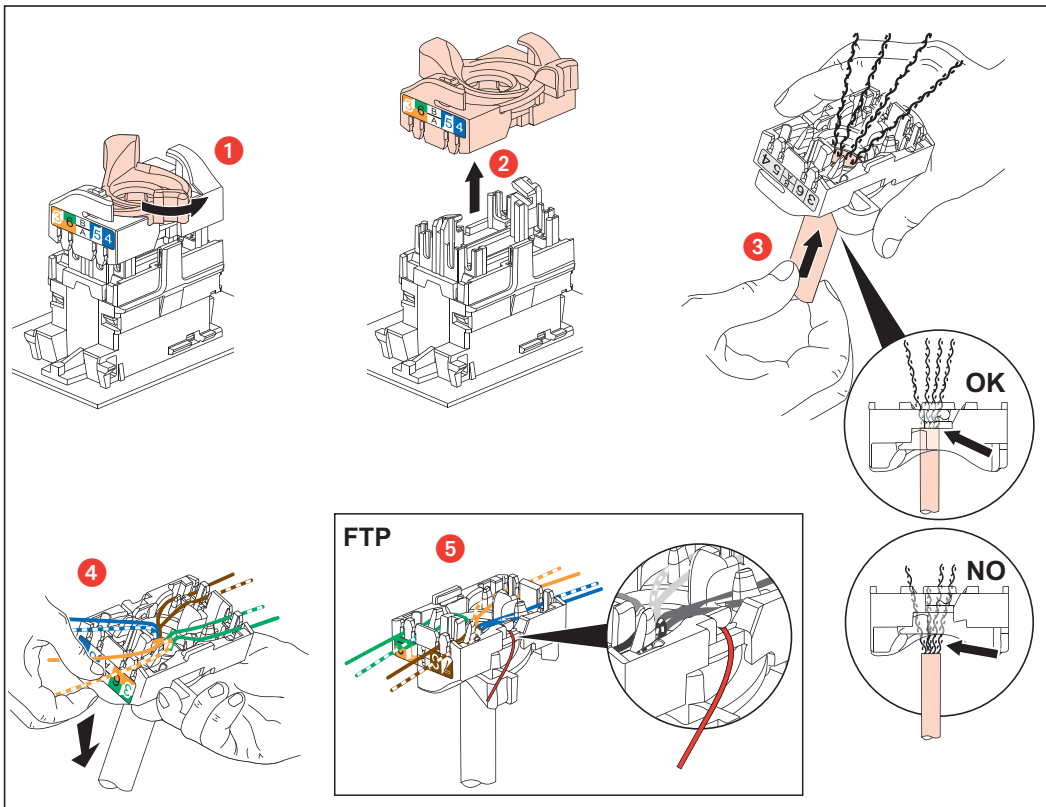
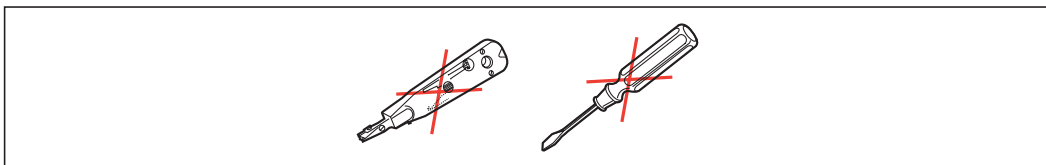
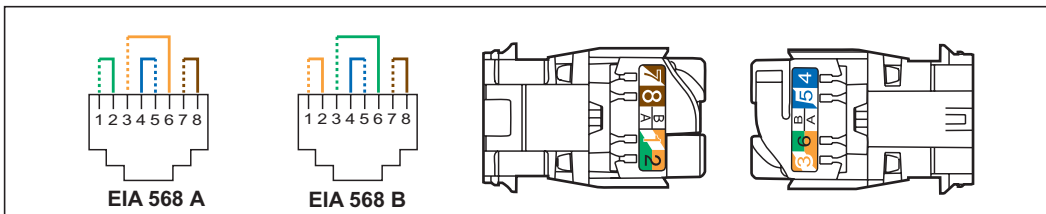
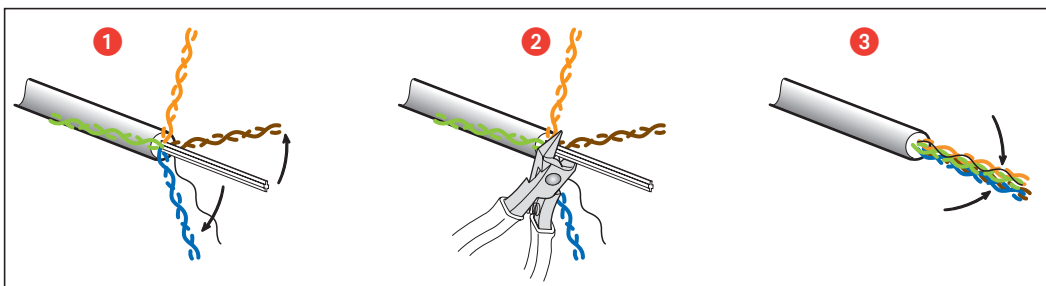


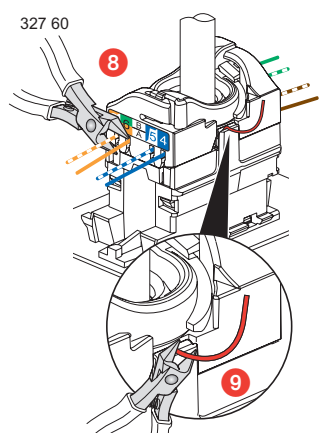
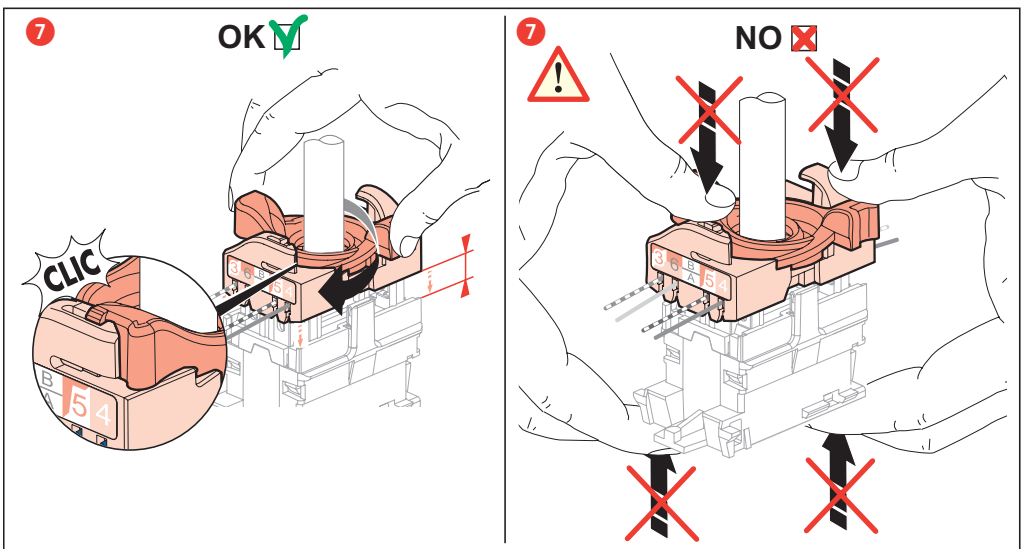
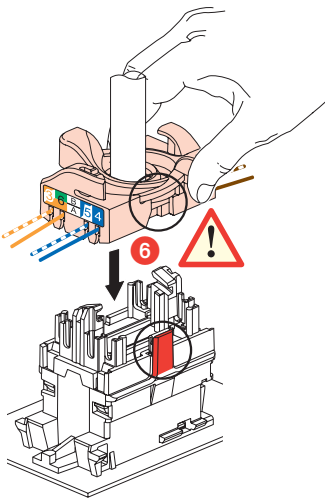
S/FTP



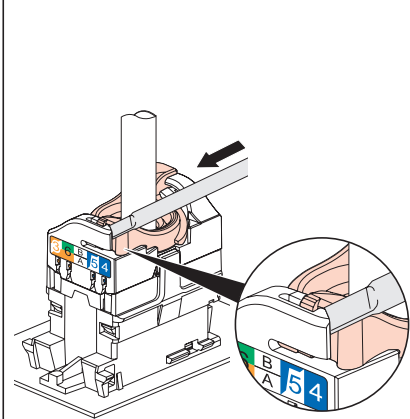
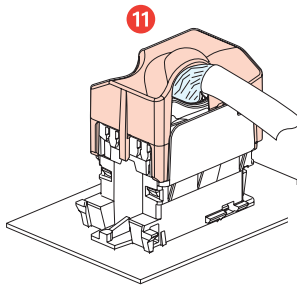
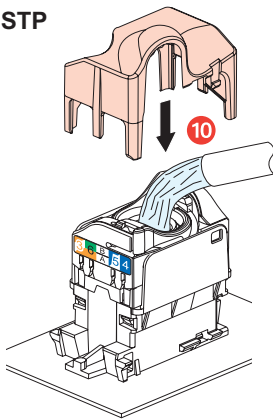
F/FTP



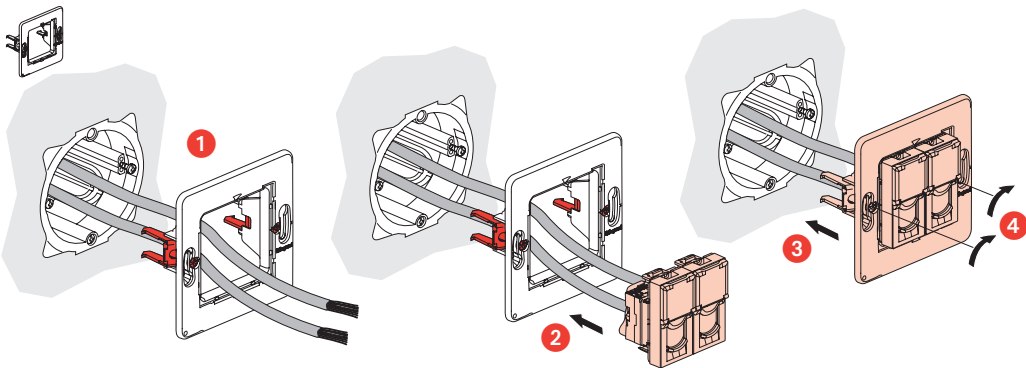




STP



673 xx - 765 xx - 794 xx



⚠ Consignes de sécurité

Avant toute intervention, couper le courant.
Respecter strictement les conditions d'installation et d'utilisation.

(FR) (LU) (BE) (CH)

⚠ Veiligheidsvoorschriften

Onderbreek voor enige ingreep de stroom.
Neem de installatie- en gebruiksvoorwaarden nauwgezet in acht.

(NL) (BE)

⚠ Sicherheitshinweise

Vor jeglichem Eingriff die Spannungsfreiheit sicherstellen.
Einbau- und Gebrauchsanleitungen sind genau zu beachten.

(DE) (AT) (LI) (CH)

⚠ Safety instructions

Make sure the power supply is disconnected before any intervention.
Strictly comply with instructions for installation and use.

(GB) (IE)

⚠ Consignas de seguridad

Antes de cualquier intervención, cortar la corriente.
Respetar estrictamente las condiciones de instalación y de utilización.

(ES)

⚠ Instruções de segurança

Antes de qualquer intervenção, cortar a corrente.
Respeitar estritamente as condições de instalação e de utilização.

(PT)

⚠ Συστάσεις ασφαλείας

Πριν από οποιαδήποτε επέμβαση, κόψτε το ρεύμα.
Τηρήστε αυστηρά τις συνθήκες εγκατάστασης και χρήσης.

(GR) (CY)

⚠ Меры предосторожности

Преди каквото и да е работа по продукта, да се изключи от електрическото захранване.
Задължително е да се спазват условията за инсталиране и употреба

(RU)

⚠ Güvenlik talimatları

Herhangi bir müdahaleden önce, akımı kesiniz.
Yerleşime ve kullanım koşullarına titizlikle riayet ediniz.

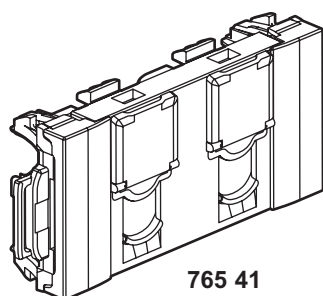
(TR) (CY)

⚠ إرشادات الأمان:

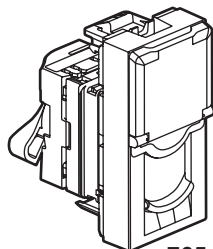
تأجيل الكهرباء، قبل أي تدخل. تأخذ تقيدا تماما بشروط التركيب

Mosaic™ LCS² Cat. 5e RJ 45 socket

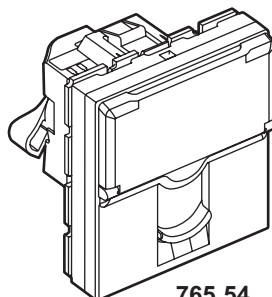
Cat. no(s): 765 41/42/51/52/54/55/97/98
794 51/52/54/55



765 41



765 51



765 54

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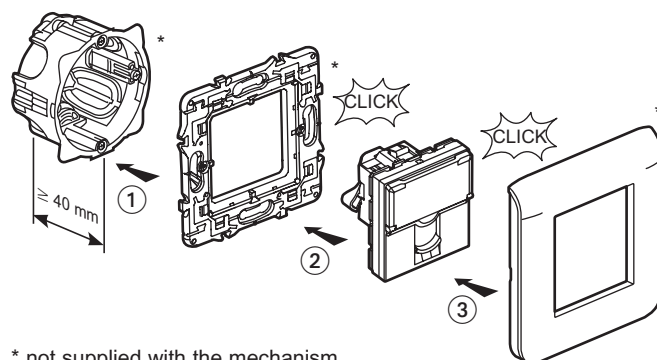
1. GENERAL CHARACTERISTICS

Category 5e RJ 45 socket
Allows high-speed transmissions (Gigabit Ethernet).

	Designation	No. of modules	UTP	FTP	Weight (g)
	RJ 45 socket, Cat. 5e UTP	1	765 51		13
	RJ 45 socket, Cat. 5e UTP aluminium	1	794 51		13
	RJ 45 socket, Cat. 5e FTP	1		765 52	13
	RJ 45 socket, Cat. 5e FTP aluminium			794 52	13
	RJ 45 socket, Cat. 5e UTP	2	765 54		18
	RJ 45 socket, Cat. 5e UTP aluminium	2	794 54		18
	RJ 45 socket, Cat. 5e FTP	2		765 55	18
	RJ 45 socket, Cat. 5e FTP aluminium	2		794 55	18
	2 x RJ 45 socket Cat. 5e UTP	4	765 41		
	2 x RJ 45 socket Cat. 5e FTP	4		765 42	
	RJ 45 safety socket Cat. 5e UTP	2	765 97		
	RJ 45 safety socket Cat. 5e FTP	2		765 98	

3. REAL LIFE SCENARIOS

Mechanisms can be flush-mounted or surface-mounted.

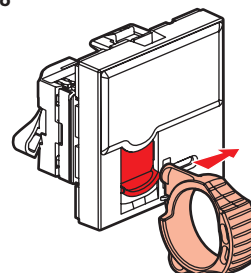


* not supplied with the mechanism

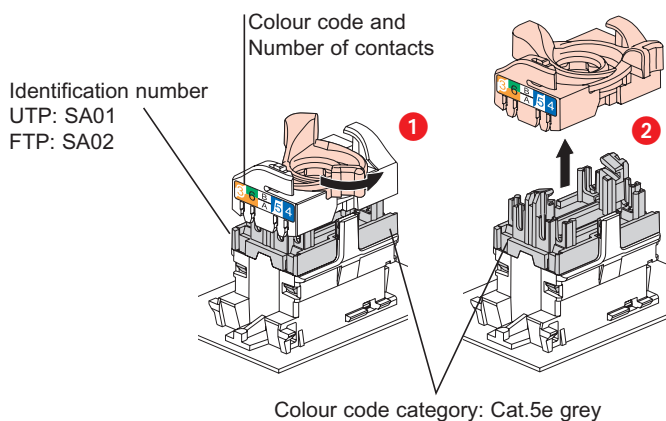
Mounting on a modular support can be carried out using a Cat. No. 802 99 adapter (2 modules).
Mechanisms are mounted on thin walls with the following adaptors:
Cat. No. 802 90 (1 module), Cat. No. 802 91 (2 modules),
Cat. No. 802 92 (vertical 2 x 1 module).

Cat. No. 765 97/98

Unlocking



2. PRESENTATION



4. TECHNICAL FEATURES

4.1 Characteristics of the materials

Contacts : gold/nickel, thickness of gold >0.8 μm minimum
Metal parts: bronze, nickel, platinum, gold
Polycarbonate PBT

4.2 Electrical characteristics

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

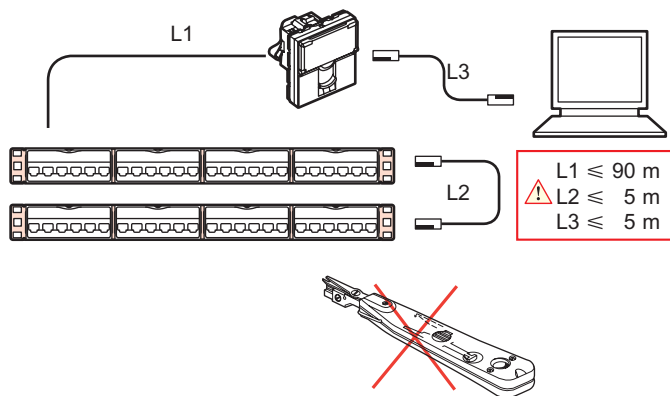
4.3 Mechanical characteristics

Max. number of connections/ disconnections: 5 without re-preparing the wire
Endurance: 2500 operations (mating/extraction)
IK03

4.4 Climatic characteristics

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

5. INSTALLATION

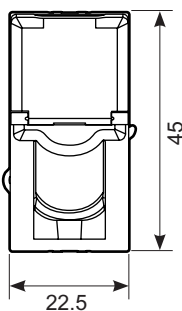
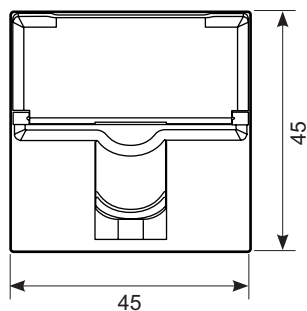


6. OVERALL DIMENSIONS

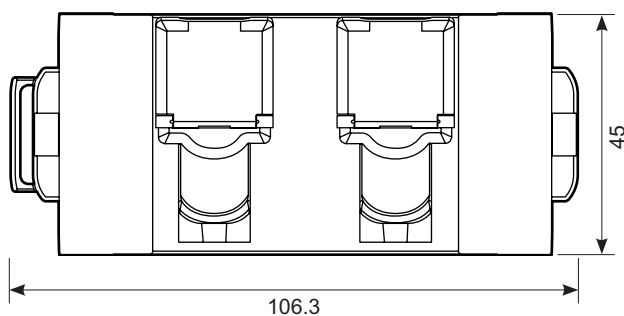
Front view:

765 54/55/97/98 - 794 54/55

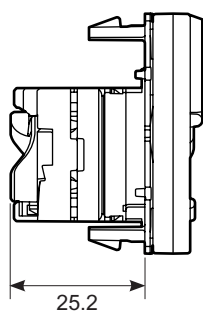
765 51/52 - 794 51/52



765 41/42



Side view:



7. STANDARD RJ 45 CONNECTION

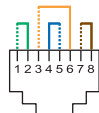
Takes the following plugs:

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

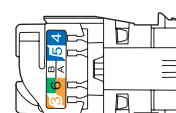
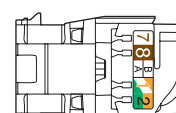
- FTP 9 contacts



EIA 568 A



EIA 568 B



Permitted conductors:

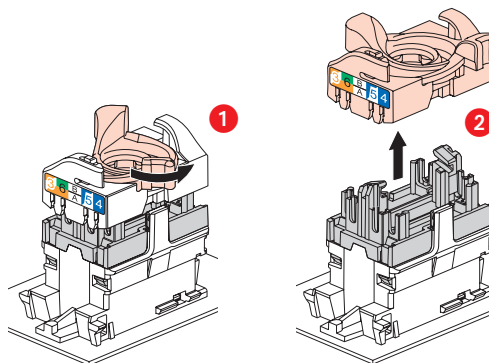
- Single-core: 0.5 to 0.65 mm, AWG 22 to 25

- Multicore: AWG 26

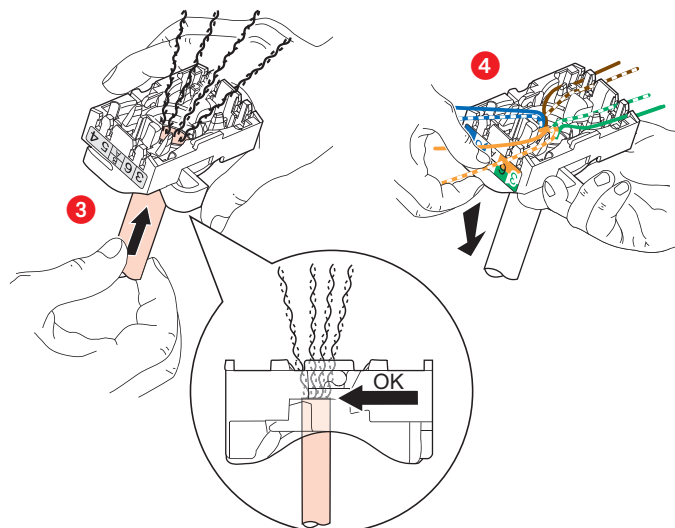
- Polyethylene conductor insulation: Ø max. on 1.58 mm insulation

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.

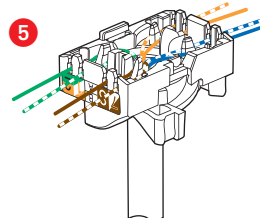


This system allows you to spread pairs with ease before fitting them onto the connector.



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

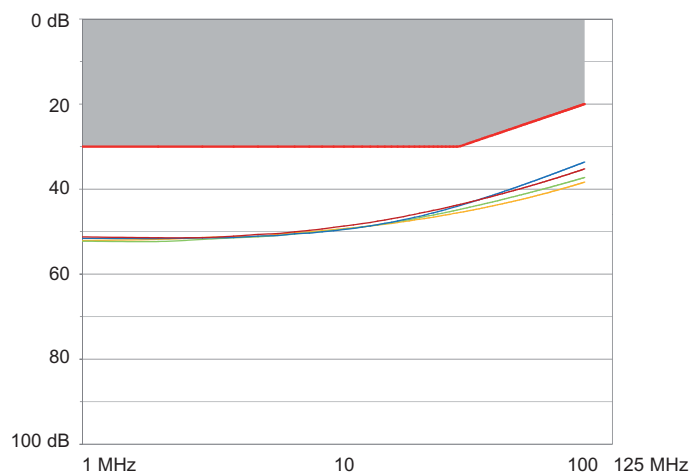
Spreading pairs at 90° to the cable ensures the best possible performance.



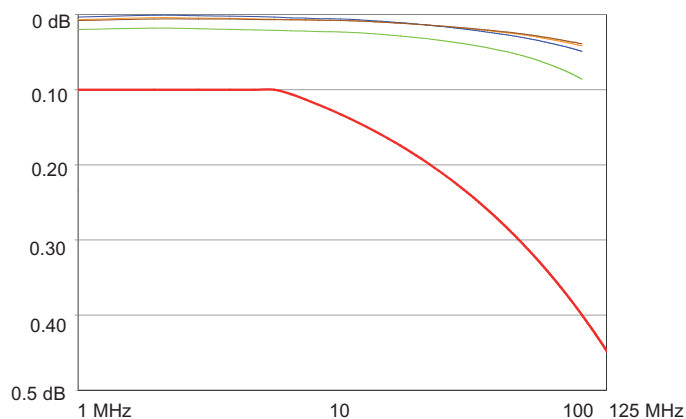
8. PERFORMANCE

8.1 Performance of components (RJ 45 connectors)

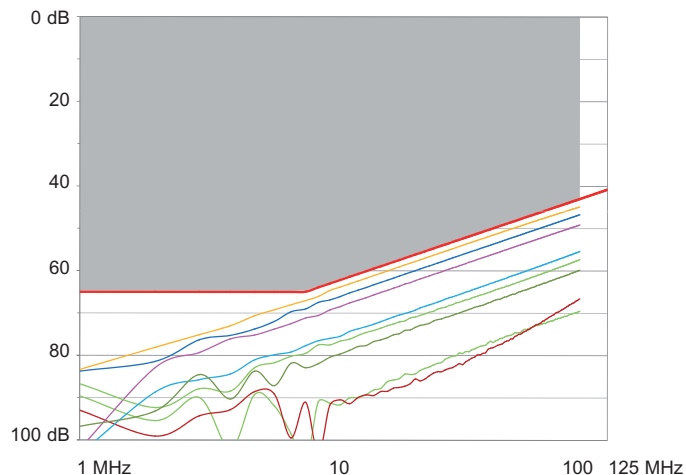
Return loss



Attenuation



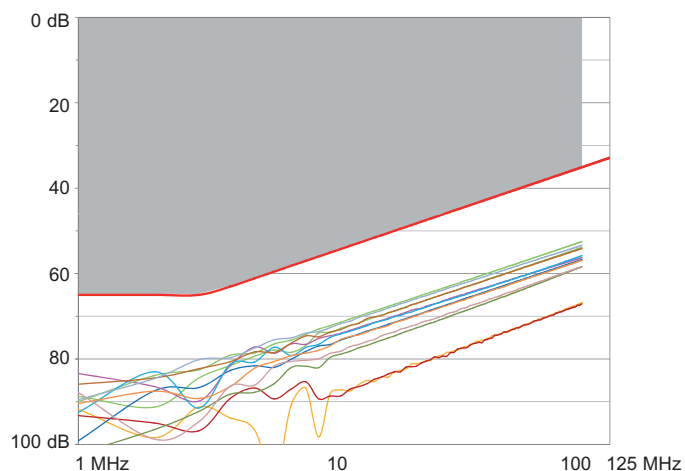
NEXT (Near end Crosstalk Attenuation)



8. PERFORMANCE (continued)

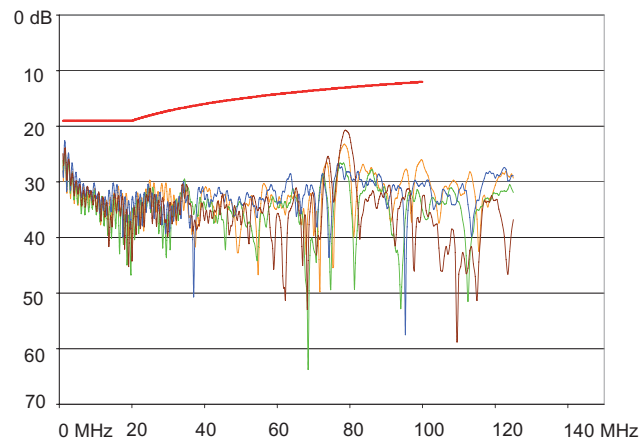
8.1 Performance of components (RJ 45 connectors) (continued)

FEXT (Far end Crosstalk Attenuation)

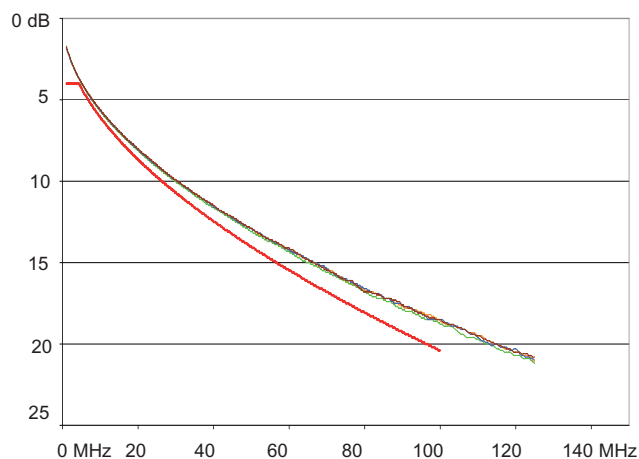


8.2 Performance of permanent link with F/UTP cable

Return loss

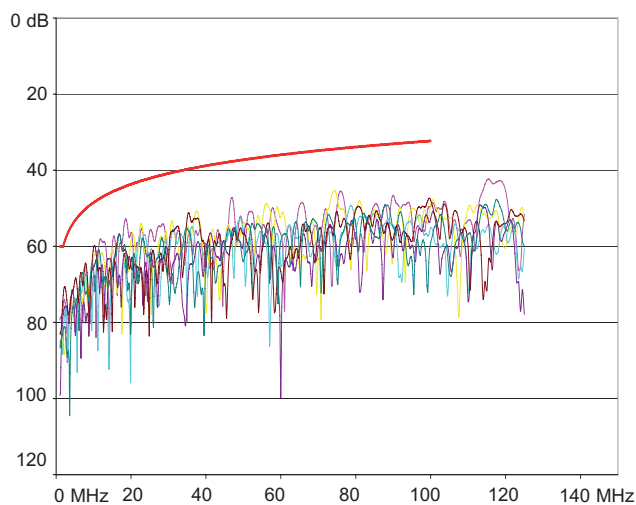


Attenuation

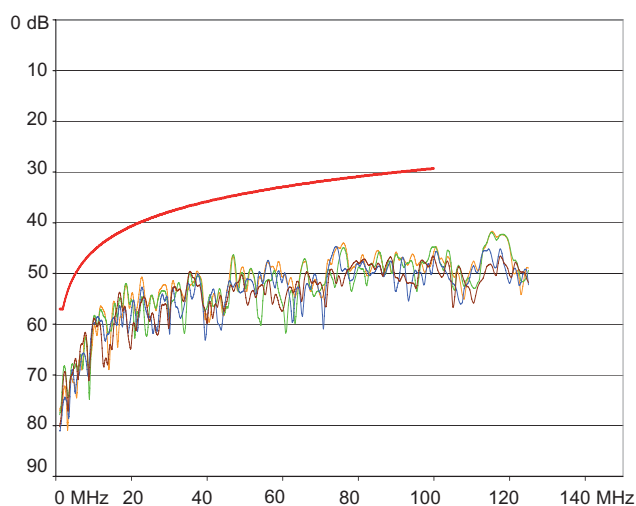


8. PERFORMANCE *(continued)*

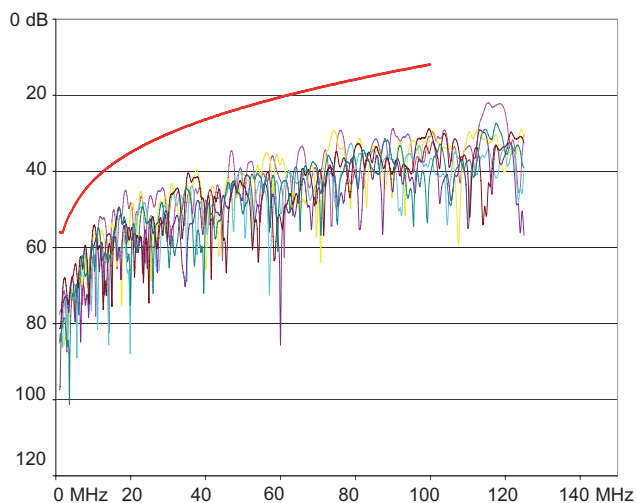
8.2 Performance of permanent link with F/UTP cable *(continued)* NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

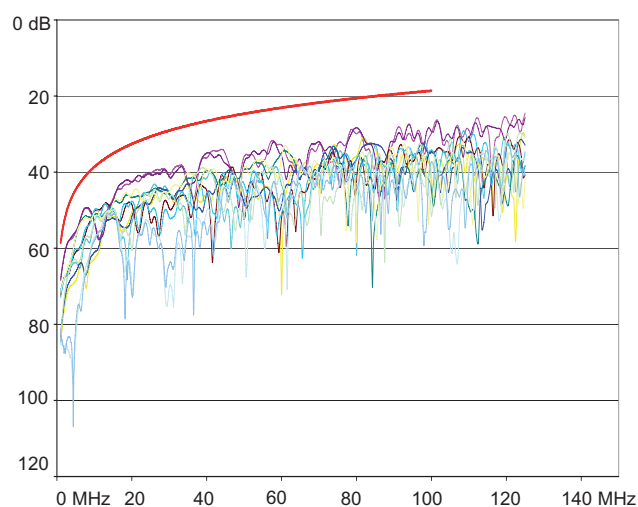


ACR (Attenuation to Crosstalk Ratio)



8. PERFORMANCE *(continued)*

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



9. 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