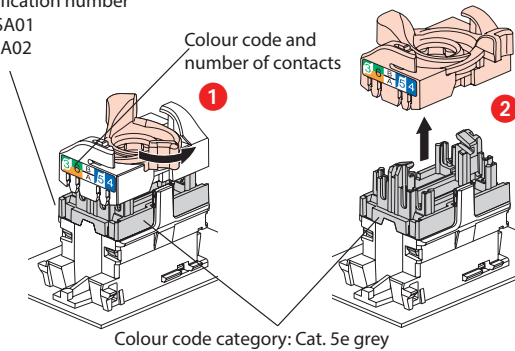


### 1. INTRODUCTION

Plexo Cat. 5e RJ45 sockets - IP 55 closed flap IK 07

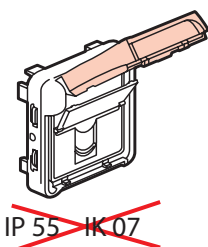
Identification number  
 UTP: SA01  
 FTP: SA02



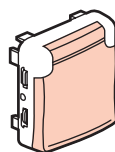
### 2. DESCRIPTION

- Fast-connection tool-free sockets with connector
- Accepted cable Solid/Stranded : 0.4 to 0.65 mm, AWG 26 to 22
- Contacts marked with dual colour code and numbers T568 Aand T568B
- Conforming to standards ISO/IEC 11801 edition 3.0 (2017) and EIA/TIA 568 C2-1
- Protection against water, dust
- For industrial sites
- UTP or FTP socket
- Grey

Cat. No.	Category	UTP	FTP
0 695 56	5e	X	
0 695 57	5e		X



~~IP 55 IK 07~~



IP 55 IK 07

### 3. TECHNICAL CHARACTERISTICS

#### 3.1 Materials

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

#### 3.2 Electrical characteristics

Breakdown voltage ≥1000 V  
 Contact resistance ≤20 mΩ  
 Insulation resistance ≥ 500 MΩ at 100 VDC  
 Tested and independently certified to comply with IEC 60512-99-001 and IEC 60512-99-002 for PoE support up to 90w (Type 4).

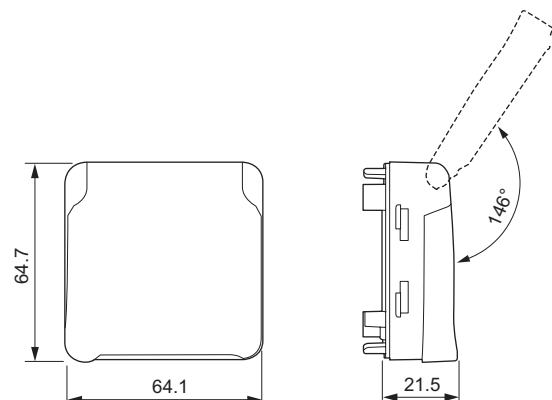
#### 3.3 Mechanical characteristics

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

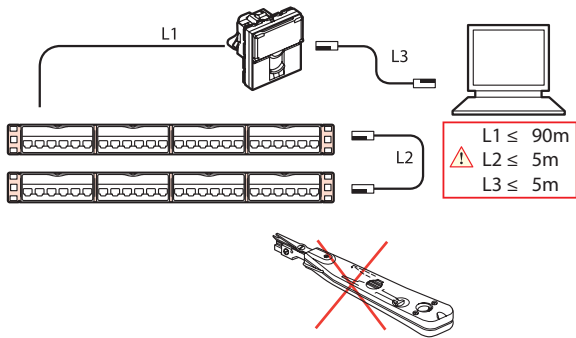
#### 3.4 Climate characteristics

Operating temperatures: -10°C to +60°C  
 Humid heat 21-day cycle

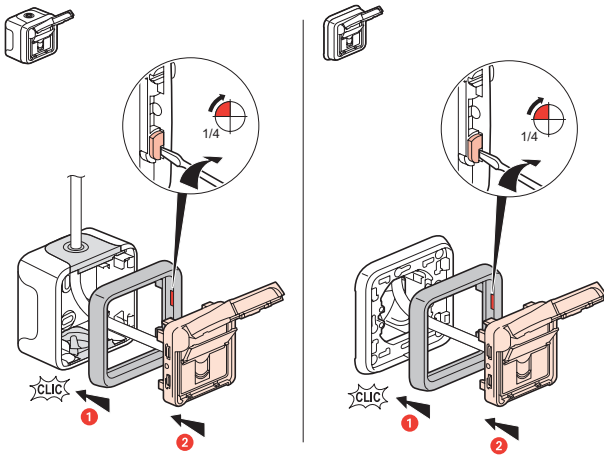
### 4. DIMENSIONS



**5. INSTALLATION**



Plexo RJ45 sockets can be flush- or surface-mounted on all single-gang, multi-gang boxes and cable glands in the Plexo range.



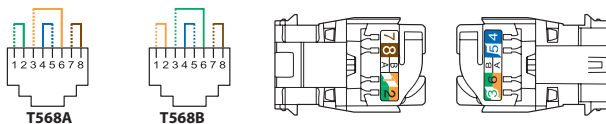
**6. TYPICAL RJ45 CONNECTION**

Takes the following plugs:

RJ11 (4 contacts), RJ12 (6 contacts), RJ45 (9 contacts).

T568A and T568B dual colour code on terminals:

- UTP (8 contacts)
- FTP (9 contacts)

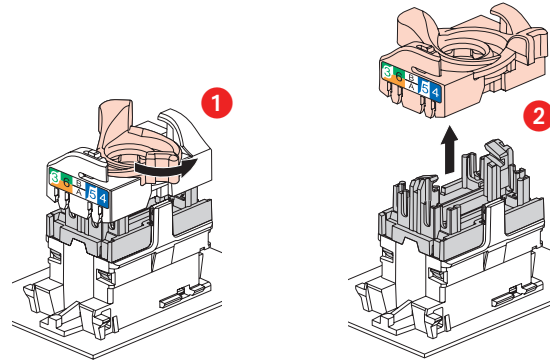


Permissible conductors:

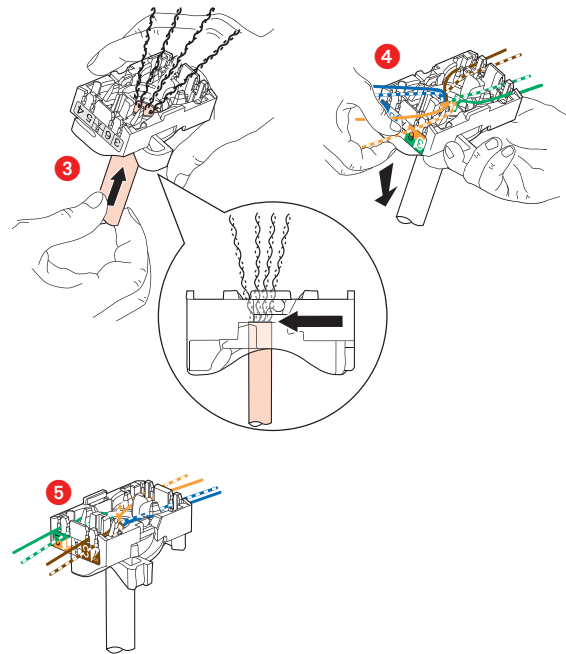
- Solid/stranded: 0.4 to 0.65 mm, AWG 26 to 22
- Polyethylene conductor insulation: Ø 0.85 to 1.7 mm on insulation

Number of wires to be connected per connection: 1

RJ45 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 makes it easy to spread pairs before fitting them onto the connector.

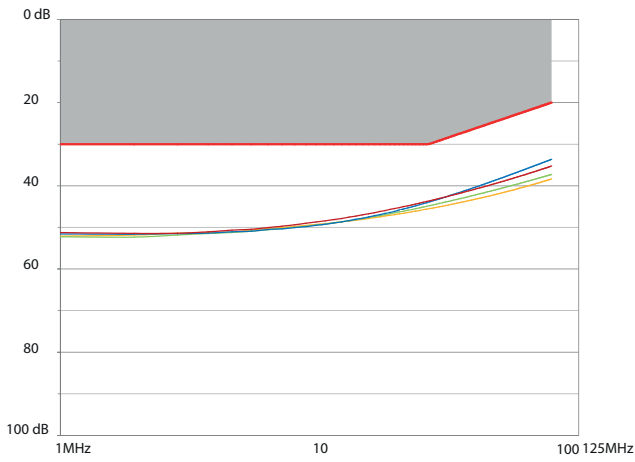


Spreading the cables allows you to ensure that a pair-breakage distance of 13 mm is kept between each pair. Spreading pairs at 90° to the cable ensures the best possible performance.

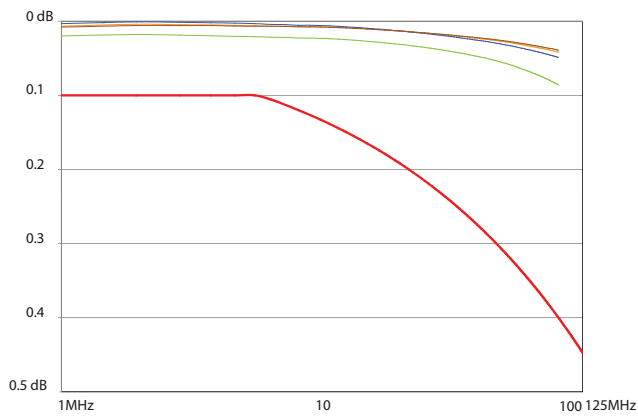
**7. PERFORMANCE**

**7.1 Performance of components (RJ45 connectors)**

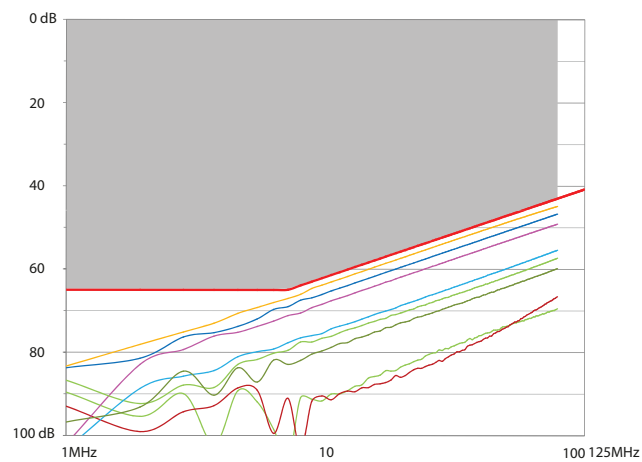
Return loss



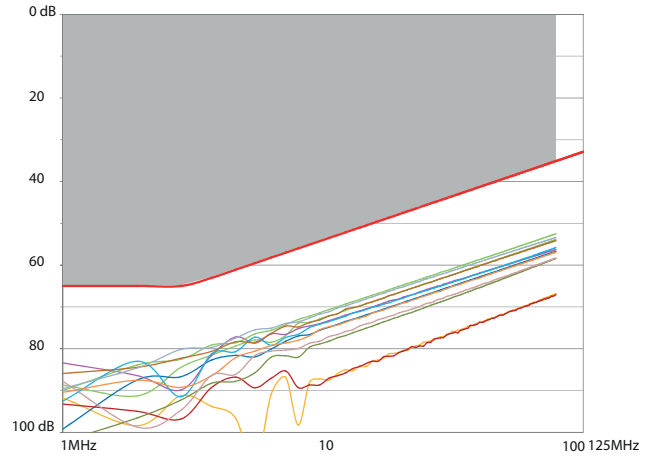
Attenuation



NEXT (Near End Crosstalk Attenuation)

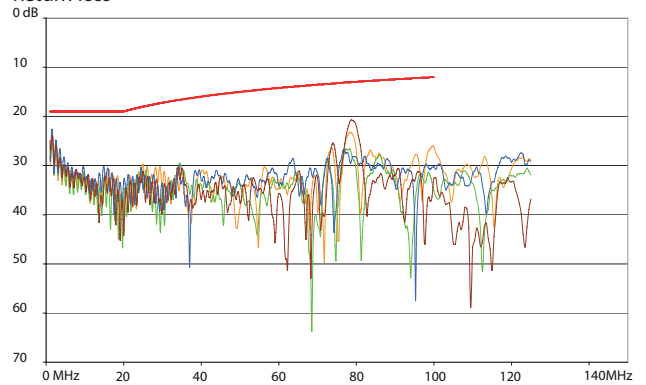


FEXT (Far End Crosstalk Attenuation)

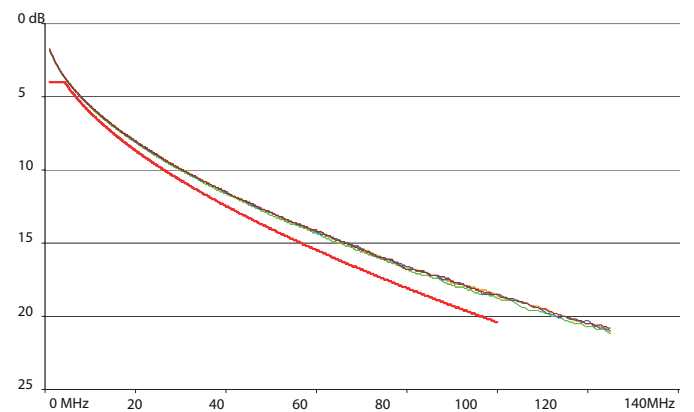


**7.2 Performance of permanent link with F/UTP cable**

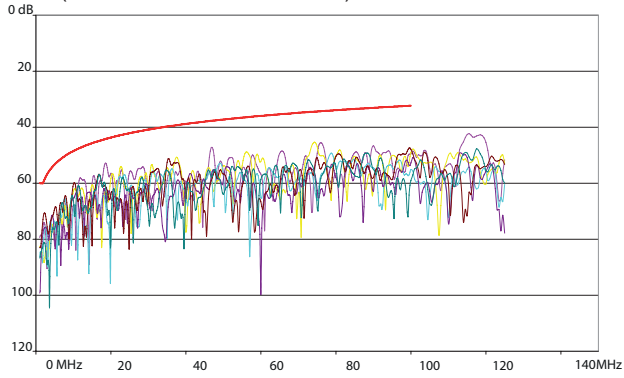
Return loss



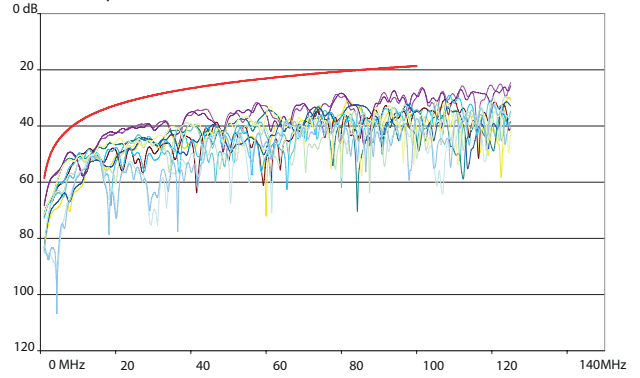
Attenuation



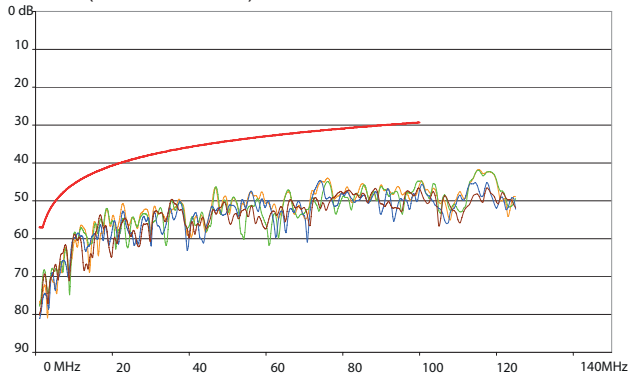
NEXT (Near End Crosstalk Attenuation)



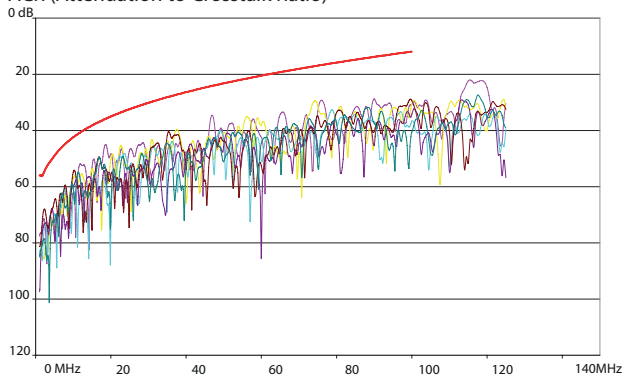
ELFEXT (Equal Level Far End Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



ACR (Attenuation to Crosstalk Ratio)



### 8. STANDARDS AND APPROVALS

- ISO/IEC 11801 series : International standard for generic cabling for customer premises
- ANSI/TIA 568 series : North American standard for generic cabling for customer premises
- EN 50173 series : European standard for generic cabling for customer premises
- IEC 60603-7 series : International standard for connector specifications

Connectors are compliant to requirements for the following remote powering applications  
 IEEE 802.3af , IEEE 802.3at , IEEE 802.3bt : "Power over Ethernet", Types 1 to 4, up to 90W.