BEST CONTACTS FOR YOUR SUCCESS

Telegärtner
KARL GÄRTNER GMBH

NETWORKING COMPONENTS

COAXIAL CONNECTORS

CABLE ASSEMBLIES

PRECISION TURNED PARTS

PLASTIC INJECTION MOULD PARTS

INDUSTRIAL ELECTRONICS

Simpler all over.
Simpler all round.

c(UL)US LISTED
Communication Circuit
Accessories   3UK4

Cat.6A   10 GBE   500 MHz   fully shielded   PoE+

Data Voice
MFP8 Cat.6A
Field assembly RJ45 plug series

Less fuss. More flexibility.

Here's the situation: An existing network needs extending. A cable link needs to be repaired or replaced. A peripheral device needs to be connected quickly. Your customer expects a fast and reliable solution but you don't have a cable assembly ready at hand. Sound familiar?

Now you can keep cool when faced with such demands – with the field assembly MFP8 Cat.6$_A$ RJ45 plug series developed by Telegärtner.

The MFP8 plug series enables time-saving and efficient on-site assembly for all networks, from Voice right through to 10 Gigabit Ethernet. It can be assembled on all standard types of cable in just 60 seconds – and no special tools are required.

Whether in the office, data centers, in industry or in home networks – the MFP8 Cat.6$_{A\,p}$ plug series offers unprecedented flexibility and saves time and money on installation, repairs and maintenance.

Simpler all over: MFP8 Cat.6$_A$ applications

The field assembly MFP8 Cat.6$_A$ plug series is the number one choice whenever efficient and reliable connections are needed without major expense or effort, whether for classic cabling systems in office buildings, data centers, in industry or for home cabling systems. Needless to say, it also supports Power over Ethernet plus (PoE+).
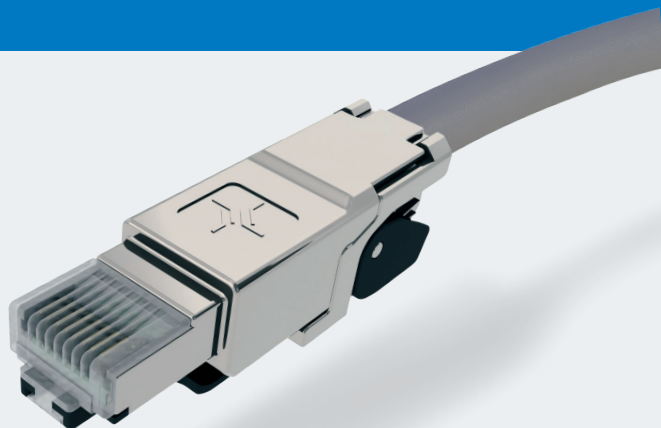
Office/premise cabling and data centers

With the MFP8 Cat.6$_A$ plug series, installers and network professionals now have access to RJ45 plugs which will enable them to respond with speed and flexibility, even at short notice, to any requirement, be it cabling for workstations, connections for equipment or backbone extensions.

Connections can be made with all standard cable types, even with transfer rates of 10 Gigabit Ethernet/s (10GBase-T), without requiring hours of preparation and the need for special tools. It is particularly cost-effective for connections in data centers where every centimeter counts. Space problems due to surplus cable are consigned to history books. Thanks to its compact design and suitability for multiport applications, the MFP8 Cat.6$_A$ can also be used where space is at an absolute premium.
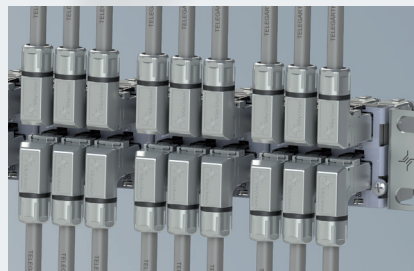
Industrial cabling (IP20)

Whether used in industrial control cabinets or distribution boxes in production, the MFP8 Cat.6$_A$ plug series can also be relied upon in industry. 360° shielding and full metal housing guarantee secure and reliable data transmission, including with 10 Gigabit Ethernet/s and even with outside electric interference. And the use of full range of cable types with solid or stranded conductors make it an universal product fit for all purposes, whether for PROFINET, EtherCAT, EtherNet/IP or CC-Link.

Residential cabling

When it comes to home networks or cabling for the home-based office, adhering to a minimum footprint is normally a major requirement, and only very rarely is there an outlet just where one is needed. In order to be able to connect PC, router or printer quickly, easily and cheaply, a plug is needed which can be fitted without special tools to full range of cable types with solid or stranded wires. The MFP8 Cat.6$_A$ plug series enables to assemble and customise cables – as and where they are needed – and to establish efficient and reliable connections without spending a great deal of time and money.

MFP8 IE Cat.6A
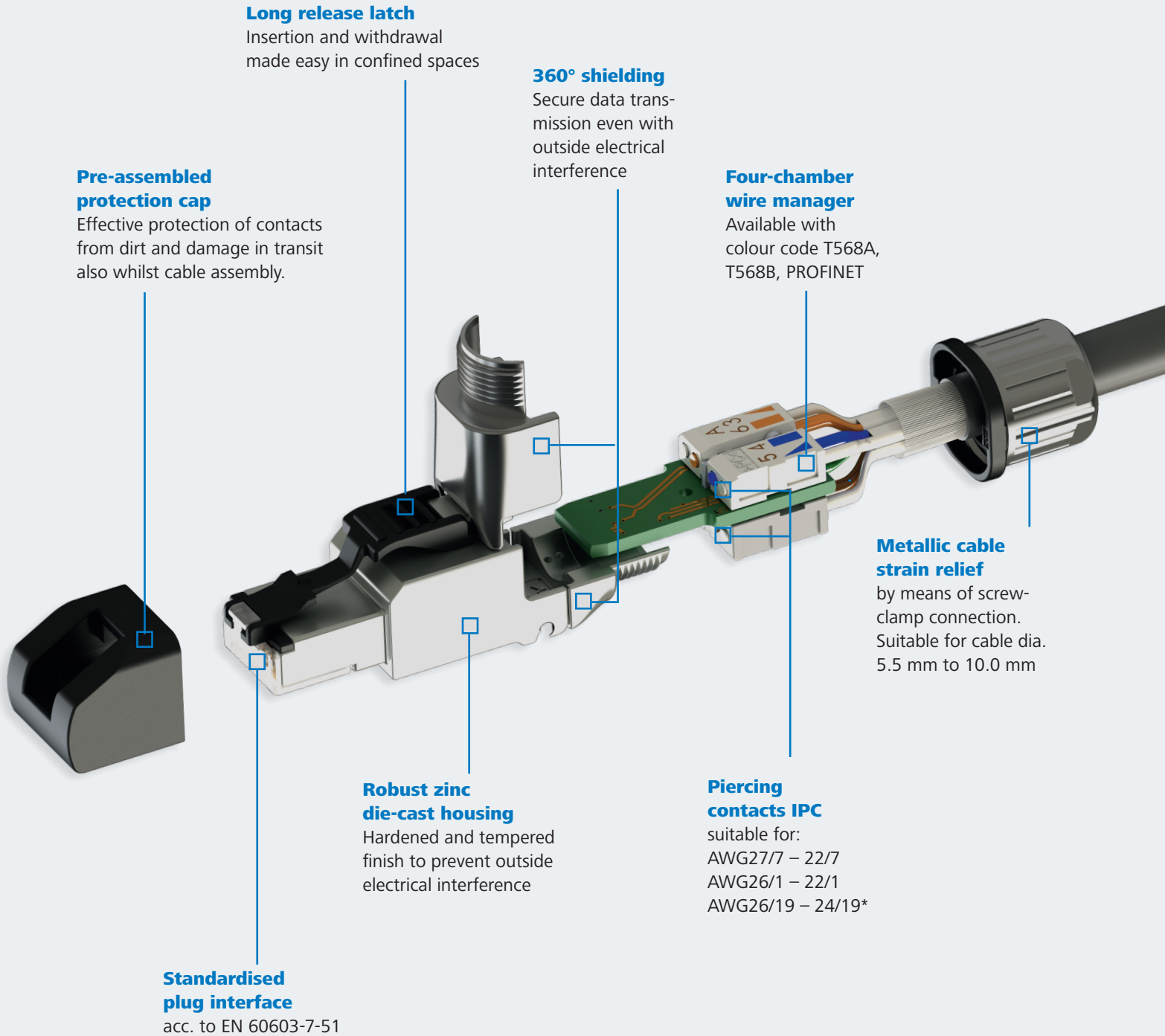
Long release latch
Insertion and withdrawal made easy in confined spaces

360° shielding
Secure data transmission even with outside electrical interference

Pre-assembled protection cap
Effective protection of contacts from dirt and damage in transit also whilst cable assembly.

Four-chamber wire manager
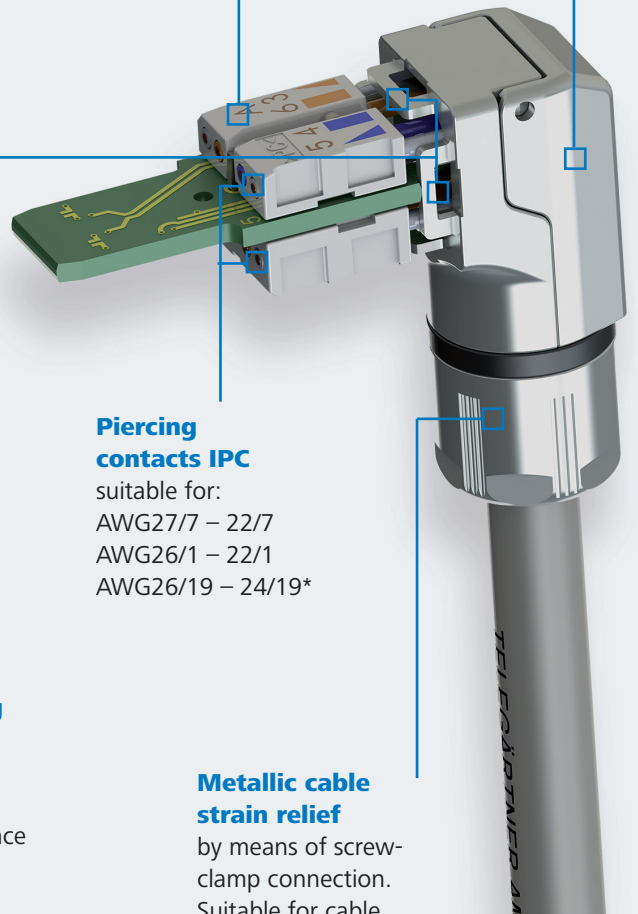Available with colour code T568A, T568B, PROFINET

Metallic cable strain relief
by means of screw-clamp connection. Suitable for cable dia. 5.5 mm to 10.0 mm

**Robust zinc die-cast housing**
Hardened and tempered finish to prevent outside electrical interference

Piercing contacts IPC
suitable for:
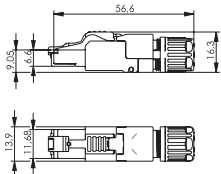AWG27/7 – 22/7
AWG26/1 – 22/1
AWG26/19 – 24/19*

Standardised plug interface
acc. to EN 60603-7-51

MFP8-4x90 Cat.6A

90°

360° shielding
Secure data transmission even with outside electrical interference
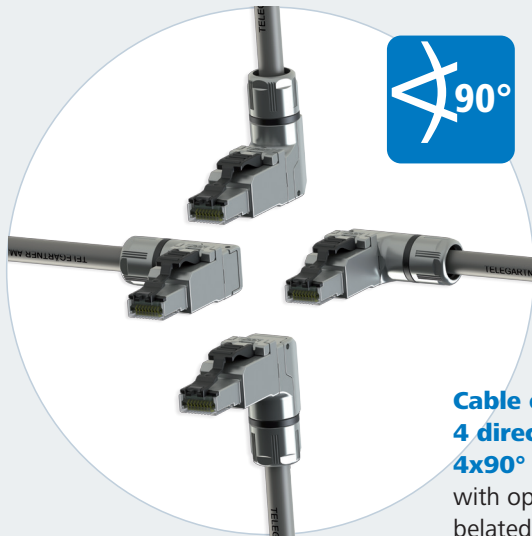
Cable entry from 4 directions in 4x90° steps
with option for belated changes

Four-chamber wire manager
Available with colour code T568A, T568B, PROFINET

Long release latch
Insertion and withdrawal made easy in confined spaces
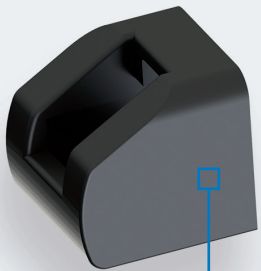
Piercing contacts IPC
suitable for:
AWG27/7 – 22/7
AWG26/1 – 22/1
AWG26/19 – 24/19*

Standardised plug interface
acc. to EN 60603-7-51

Robust zinc die-cast housing
Hardened and tempered finish to prevent outside electrical interference

Metallic cable strain relief
by means of screw-clamp connection. Suitable for cable Ø 5.5 - 10.0 mm

Pre-assembled protection cap
Effective protection of contacts from dirt and damage in transit also whilst cable assembly

MFP8 Cat.6A

Four strain relief settings
Suitable for cable diameters from 5.0 mm to 9.0 mm

360° shielding
Secure data transmission even with outside electrical interference

Full metal shielding
Between pairs of wires

Long release latch
Insertion and withdrawal made easy in confined spaces

Pre-assembled protection cap
Effective protection of contacts from dirt and damage in transit also whilst cable assembly

Four-chamber wire manager
Available with colour code T568A, T568B, PROFINET

Robust zinc die-cast housing
Hardened and tempered finish to prevent outside electrical interference

Piercing contacts IPC
Suitable for:
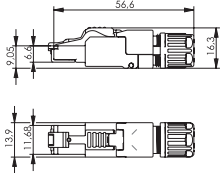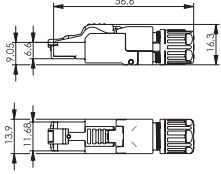AWG27/7 – 22/7
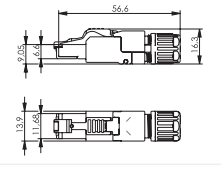AWG26/1 – 22/1
AWG26/19 – 24/19*
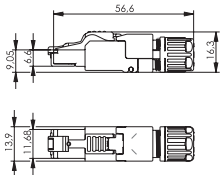
Standardised plug interface
acc. to EN 60603-7-51
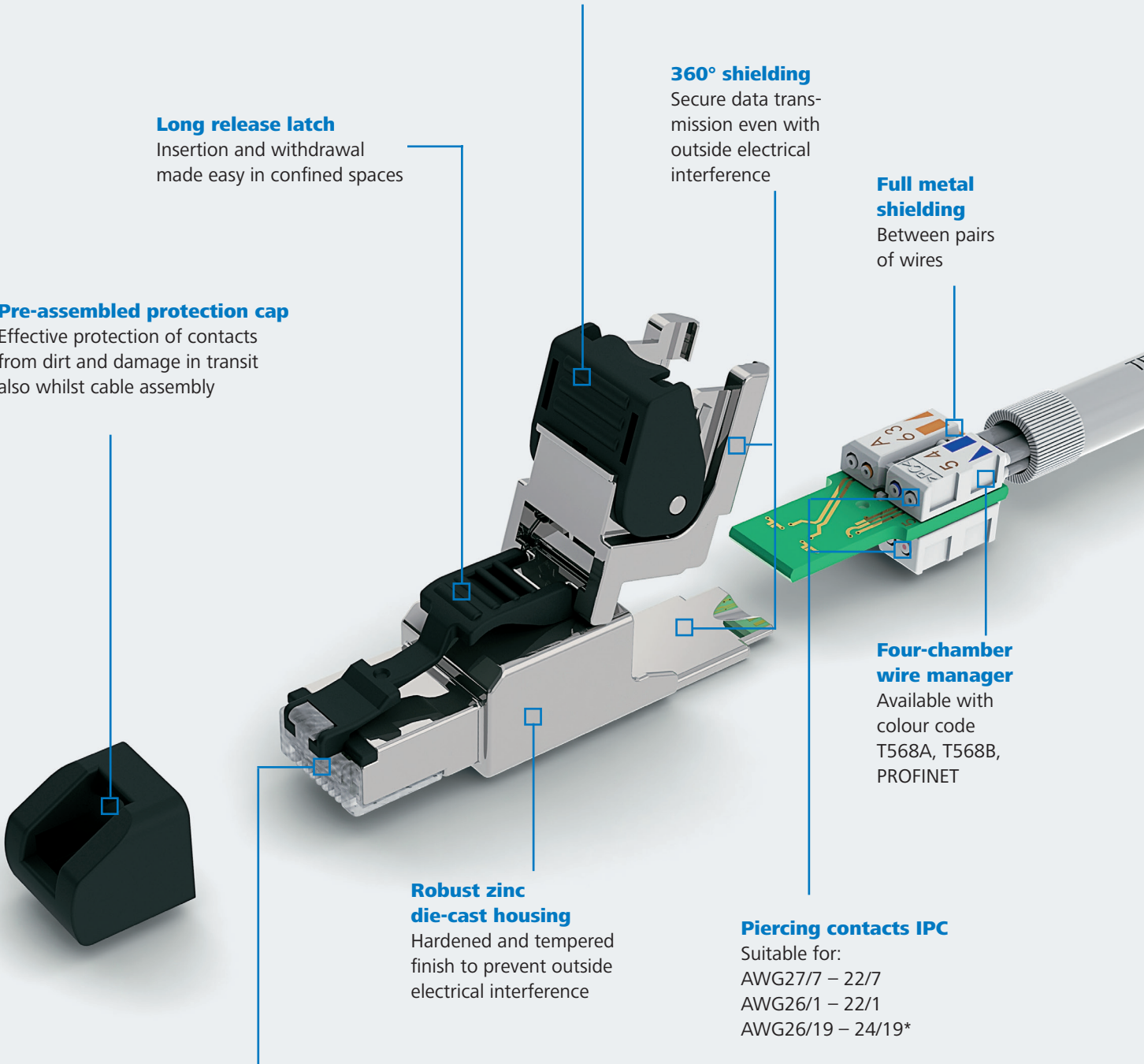
Specifications MFP8 IE Cat.6$_A$:
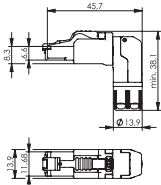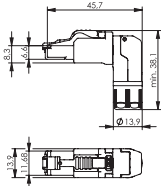
- Category 6$_A$ acc. to ISO/IEC 11801
- Plug: IEC 60603-7-51 compliant
- Life: ≥ 750 mating cycles
- Contact finish material: Ni1.2Au0.8
- Shielding housing material: die-cast nickel-plated zinc
- **Cu conductor diameter:**
  (J00026A5000, -1, -2, -5110, -5111, -5112)
  solid 0.51 – 0.64 mm (AWG24/1 – 22/1)
  stranded 0.46 – 0.76 mm (AWG27/7 – 22/7)
  stranded 0.61 – 0.78 mm (AWG24/19 – 22/19)*
  core diameter: 1.0 – 1.6 mm

- **Cu conductor diameter:**
  (J00026A5003, -4, -5113, -5114)
  solid 0.41 – 0.51 mm (AWG26/1 – 24/1)
  stranded 0.46 – 0.61 mm (AWG27/7 – 24/7)
  stranded 0.51 (AWG26/19)*
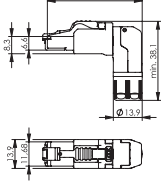 core diameter: 0.85 – 1.1 mm
- Outer diameter: 5.5 – 10.0 mm
- Reusable IPC: ≤ 4 cycles
- Temperature range: -40°C to 85°C
- Power over Ethernet plus (PoE+) acc. to IEEE 802.3at
- IP20
- Cable strain relief: AF13

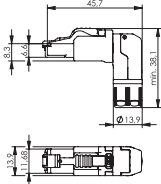| MFP8 IE Cat.6$_A$ for AWG24-22/1; AWG27-22/7; AWG22/19*	Order no.	Description	PU
	J00026A5000	MFP8 IE T568A Cat.6$_A$ incl. pre-assembled protection cap AWG24/1 - 22/1, AWG27/7-22/7	1 / 10 in carton
	J00026A5001	MFP8 IE T568B Cat.6$_A$ incl. pre-assembled protection cap AWG24/1 - 22/1, AWG27/7-22/7	1 / 10 in carton
	J00026A5110	MFP8 IE T568A Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG24/1 - 22/1, AWG27/7-22/7	10
	J00026A5111	MFP8 IE T568B Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG24/1 - 22/1, AWG27/7-22/7	10

MFP8 IE Cat.6$_A$ for AWG26-24/1; AWG27-24/7; AWG26/19*	Order no.	Description	PU
	J00026A5004	MFP8 IE T568A Cat.6$_A$ incl. pre-assembled protection cap AWG26/1-24/1, AWG27/7-24/7	1 / 10 in carton
	J00026A5003	MFP8 IE T568B Cat.6$_A$ incl. pre-assembled protection cap AWG26/1-24/1, AWG27/7-24/7	1 / 10 in carton
	J00026A5114	MFP8 IE T568A Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG26/1-24/1, AWG27/7-24/7	10
	J00026A5113	MFP8 IE T568B Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG26/1-24/1, AWG27/7-24/7	10

MFP8 IE for PROFINET	Order no.	Description	PU
	J00026A5002	MFP8 IE PROFINET incl. pre-assembled protection cap	1 / 10 in carton
	J00026A5112	MFP8 IE PROFINET incl. pre-assembled protection cap blister package	10

MFP8 Wire Manager	Order no.	Description	PU
	F00020A2130	MFP8 wire manager T568A AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2131	MFP8 wire manager T568B AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2132	MFP8 wire manager PROFINET AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2134	MFP8 wire manager T568A AWG26/1-AWG24/1, AWG27/7-AWG24/7	30
	F00020A2133	MFP8 wire manager T568B AWG26/1-AWG24/1, AWG27/7-AWG24/7	30

* approval of cable by Telegärtner Karl Gärtner GmbH required

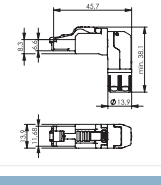## Specifications MFP8-4x90 Cat.6$_A$:

- Cable entry from 4 directions (4x90°)
- Category 6$_A$ acc. to ISO/IEC 11801
- Plug: IEC 60603-7-51 compliant
- Life: ≥ 750 cycles
- Contact finish material: Ni1.2Au0.8
- Shielding housing material: die-cast nickel-plated zinc
- **Cu conductor diameter:**
  (J00026A4000, -1, -2, -4110, -4111, -4112)
  solid 0.51 – 0.64 mm (AWG24/1 – 22/1)
  stranded 0.46 – 0.76 mm (AWG27/7 – 22/7)
  stranded 0.61 – 0.78 mm (AWG24/19 – 22/19)*
  core diameter: 1.0 – 1.6 mm

- **Cu conductor diameter:**
  (J00026A4003, -4, -4113, -4114)
  solid 0.41 – 0.51 mm (AWG26/1 – 24/1)
  stranded 0.46 – 0.61 mm (AWG27/7 – 24/7)
  stranded 0.51 (AWG26/19)*
  core diameter: 0.85 – 1.1 mm
- Outer diameter: 5.5 – 10.0 mm
- Reusable IDC: ≤ 4 cycles
- Temperature range: -40°C to 85°C
- Power over Ethernet plus (PoE+) acc. to IEEE 802.3at
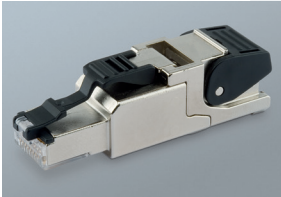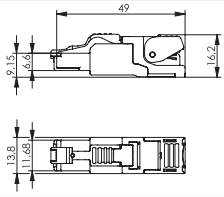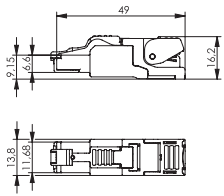- IP20; UL listed
- Cable strain relief: AF13
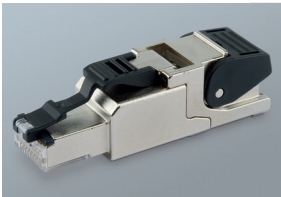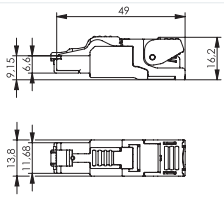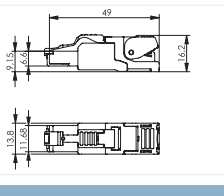
MFP8-4x90 Cat.6$_A$ for AWG24-22/1; AWG27-22/7; AWG22/19*	Order no.	Description	PU
	J00026A4000	MFP8-4x90 T568A Cat.6$_A$ incl. pre-assembled protection cap AWG24/1 - 22/1, AWG27/7-22/7	1 / 10 in carton
	J00026A4001	MFP8-4x90 T568B Cat.6$_A$ incl. pre-assembled protection cap AWG24/1 - 22/1, AWG27/7-22/7	1 / 10 in carton
	J00026A4110	MFP8-4x90 T568A Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG24/1 - 22/1, AWG27/7-22/7	10
	J00026A4111	MFP8-4x90 T568B Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG24/1 - 22/1, AWG27/7-22/7	10

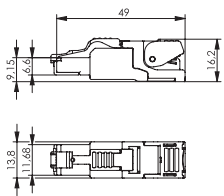| MFP8-4x90 Cat.6$_A$ for AWG26-24/1; AWG27-24/7; AWG26/19*	Order no.	Description	PU
	J00026A4004	MFP8-4x90 T568A Cat.6$_A$ incl. pre-assembled protection cap AWG26/1-24/1, AWG27/7-24/7	1 / 10 in carton
	J00026A4003	MFP8-4x90 T568B Cat.6$_A$ incl. pre-assembled protection cap AWG26/1-24/1, AWG27/7-24/7	1 / 10 in carton
	J00026A4114	MFP8-4x90 T568A Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG26/1-24/1, AWG27/7-24/7	10
	J00026A4113	MFP8-4x90 T568B Cat.6$_A$ incl. pre-assemb. protection cap, blister package AWG26/1-24/1, AWG27/7-24/7	10

MFP8-4x90 f0r PROFINET	Order no.	Description	PU
	J00026A4002	MFP8-4x90 PROFINET incl. pre-assembled protection cap	1 / 10 in carton
	J00026A4112	MFP8-4x90 PROFINET incl. pre-assembled protection cap, blister package	10

MFP8 Wire Manager	Order no.	Description	PU
	F00020A2130	MFP8 wire manager T568A AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2131	MFP8 wire manager T568B AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2132	MFP8 wire manager PROFINET AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2134	MFP8 wire manager T568A AWG26/1-AWG24/1, AWG27/7-AWG24/7	30
	F00020A2133	MFP8 wire manager T568B AWG26/1-AWG24/1, AWG27/7-AWG24/7	30

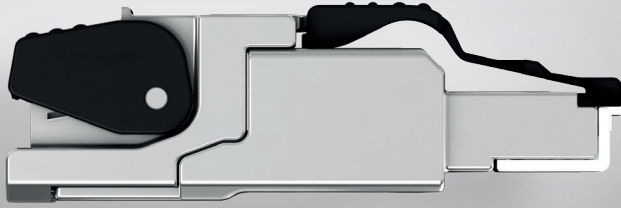* approval of cable by Telegärtner Karl Gärtner GmbH required

Specifications MFP8 Cat.6$_A$:

- Category 6$_A$ acc. to ISO/IEC 11801
- Plug: IEC 60603-7-51 compliant
- Life: ≥ 750 mating cycles
- Contact finish material: Ni1.2Au0.8
- Shielding housing material: die-cast nickel-plated zinc
- **Cu conductor diameter:**
  (J00026A2000, -1, -2, -2110, -2111, -2112)
  solid 0.51 − 0.64 mm (AWG24/1 − 22/1)
  stranded 0.46 − 0.76 mm (AWG27/7 − 22/7)
  stranded 0.61 − 0.78 mm (AWG24/19 − 22/19)*
  core diameter: 1.0 − 1.6 mm

  * approval of cable by Telegärtner Karl Gärtner GmbH required

- **Cu conductor diameter:**
  (J00026A2003, -4, -2113, -2114)
  solid 0.41 − 0.51 mm (AWG26/1 − 24/1)
  stranded 0.46 − 0.61 mm (AWG27/7 − 24/7)
  stranded 0.51 (AWG26/19)*
  core diameter: 0.85 − 1.1 mm
- Outer diameter: 5.0 − 9.0 mm
- Reusable IPC: ≤ 4 cycles
- Temperature range: -40°C to 85°C
- Power over Ethernet plus (PoE+) acc. to IEEE 802.3at
- IP20; UL listed

MFP8 Cat.6$_A$ for AWG24-22/1; AWG27-22/7; AWG22/19*	Order no.	Description	PU
	J00026A2000	MFP8 T568A Cat.6$_A$ incl. pre-assembled protection cap AWG24/1 - 22/1, AWG27/7-22/7	1 / 10 in carton
	J00026A2001	MFP8 T568B Cat.6$_A$ incl. pre-assembled protection cap AWG24/1 - 22/1, AWG27/7-22/7	1 / 10 in carton
	J00026A2110	MFP8 T568A Cat.6$_A$ incl. pre-assembled protection cap, blister package AWG24/1 - 22/1, AWG27/7-22/7	10
	J00026A2111	MFP8 T568B Cat.6$_A$ incl. pre-assembled cap protection, blister package AWG24/1 - 22/1, AWG27/7-22/7	10

MFP8 Cat.6$_A$ for AWG26-24/1; AWG27-24/7; AWG26/19*	Order no.	Description	PU
	J00026A2004	MFP8 T568A Cat.6$_A$ incl. pre-assembled protection cap AWG26/1-24/1, AWG27/7-24/7	1 / 10 in carton
	J00026A2003	MFP8 T568B Cat.6$_A$ incl. pre-assembled protection cap AWG26/1-24/1, AWG27/7-24/7	1 / 10 in carton
	J00026A2114	MFP8 T568A Cat.6$_A$ incl. pre-assembled protection cap, blister package AWG26/1-24/1, AWG27/7-24/7	10
	J00026A2113	MFP8 T568B Cat.6$_A$ incl. pre-assembled protection cap, blister package AWG26/1-24/1, AWG27/7-24/7	10

MFP8 for PROFINET	Order no.	Description	PU
	J00026A2002	MFP8 PROFINET incl. pre-assembled protection cap	1 / 10 in carton
	J00026A2112	MFP8 PROFINET incl. pre-assembled protection cap, blister package	10

| MFP8 Wire Manager	Order no.	Description	PU
	F00020A2130	MFP8 wire manager T568A AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2131	MFP8 wire manager T568B AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2132	MFP8 wire manager PROFINET AWG24/1-AWG22/1, AWG27/7-AWG22/7	30
	F00020A2134	MFP8 wire manager T568A AWG26/1-AWG24/1, AWG27/7-AWG24/7	30
	F00020A2133	MFP8 wire manager T568B AWG26/1-AWG24/1, AWG27/7-AWG24/7	30

* approval of cable by Telegärtner Karl Gärtner GmbH required

MFP8 Cat.6$_A$

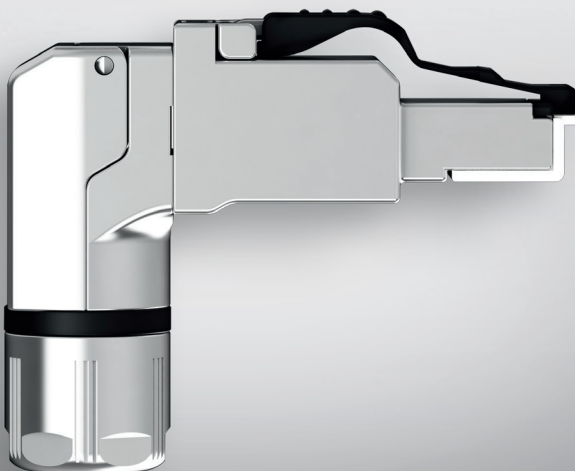Full-metal RJ45 field-assembly plug featuring four-step cable relief.

Most suited for data center, enterprise and residential cabling.
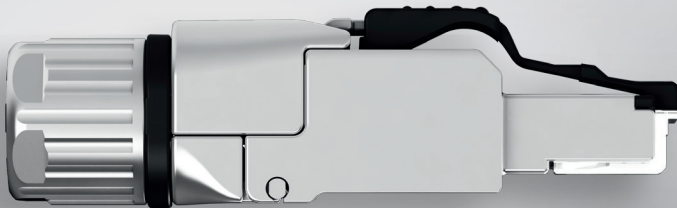
MFP8 IE Cat.6$_A$

Full-metal RJ45 field-assembly plug featuring metallic cable strain relief for cable outer diameter up to 10 mm.

Most suited for assembly with various kinds of industrial, installation or patch cables.

MFP8-4x90 Cat.6$_A$

Full-metal RJ45 field-assembly plug featuring right-angle cable entry from four directions and metallic cable strain relief.

Most suited in confined spaces like sitch or control cabinets.

All in common: easiest field-assembly without any special tools