

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.**



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.

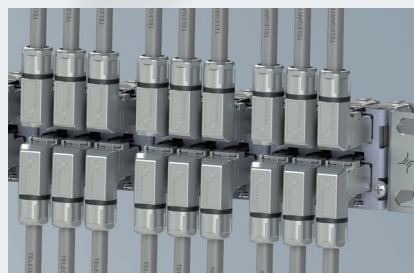
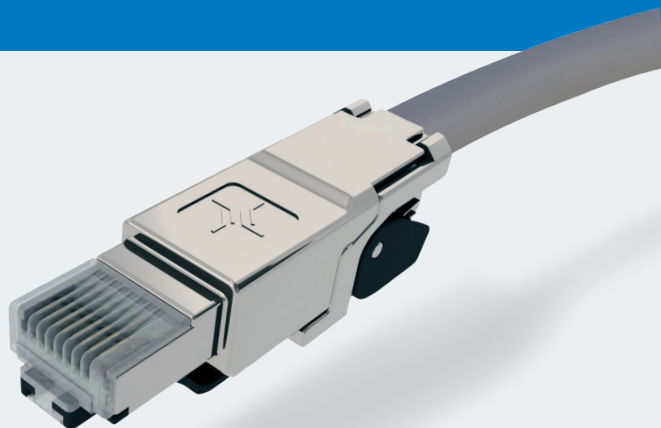
Connections can be made with all standard cable types, even with transfer rates of 10 Gigabit Ethernet/s (10GBase-T), without requiring hours of preparation and the need for special tools. It is particularly cost-effective for connections in data centers where every centimeter counts. Space problems 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)

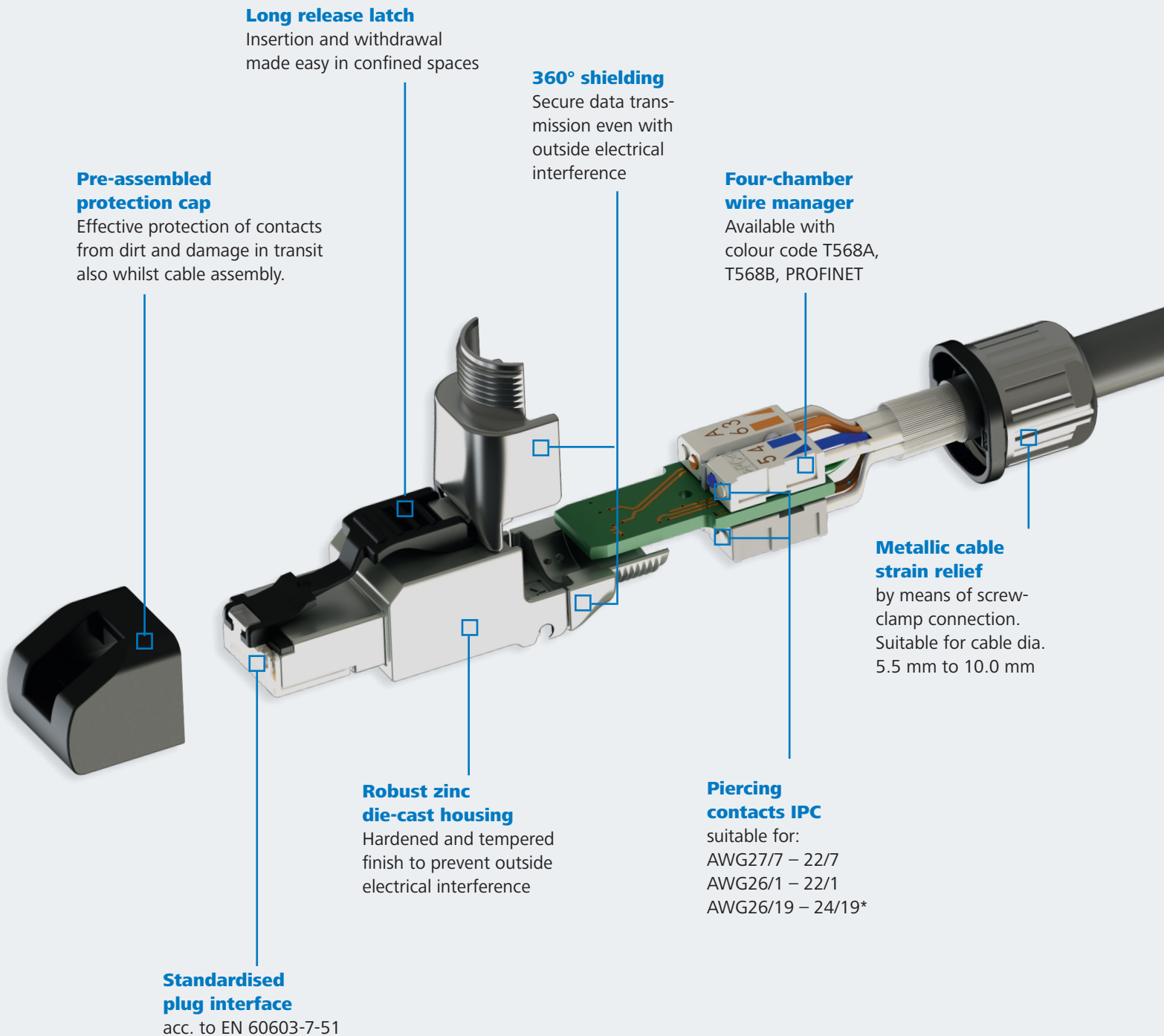
Whether used in industrial control cabinets or distribution boxes in production, the MFP8 Cat.6_A plug series can also be relied upon in industry. 360° shielding and full metal housing guarantee secure and reliable data transmission, including with 10 Gigabit Ethernet/s and even with outside electric 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

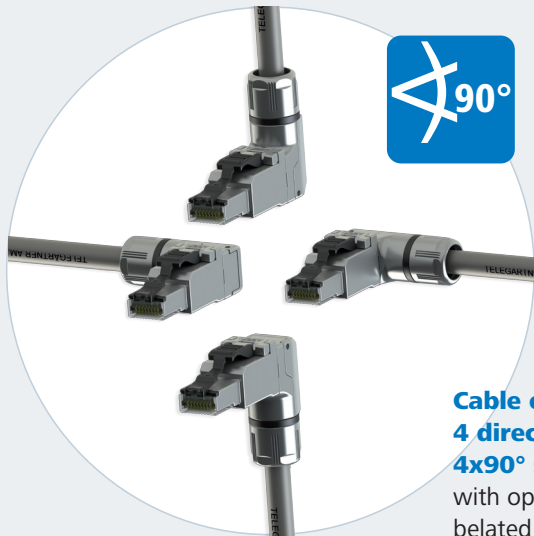
When it comes to home networks or cabling for the home-based office, adhering to a minimum footprint is normally a major requirement, and only very rarely is there an outlet just where one is needed. In order to be able to connect PC, router or printer quickly, easily and cheaply, a plug is needed which 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



MFP8-4x90 Cat.6A



Cable entry from 4 directions in 4x90° steps
with option for belated changes

360° shielding

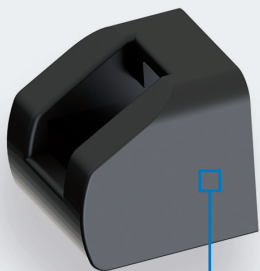
Secure data transmission even with outside electrical interference

Four-chamber wire manager

Available with colour code T568A, T568B, PROFINET

Long release latch

Insertion and withdrawal made easy in confined spaces



Pre-assembled protection cap

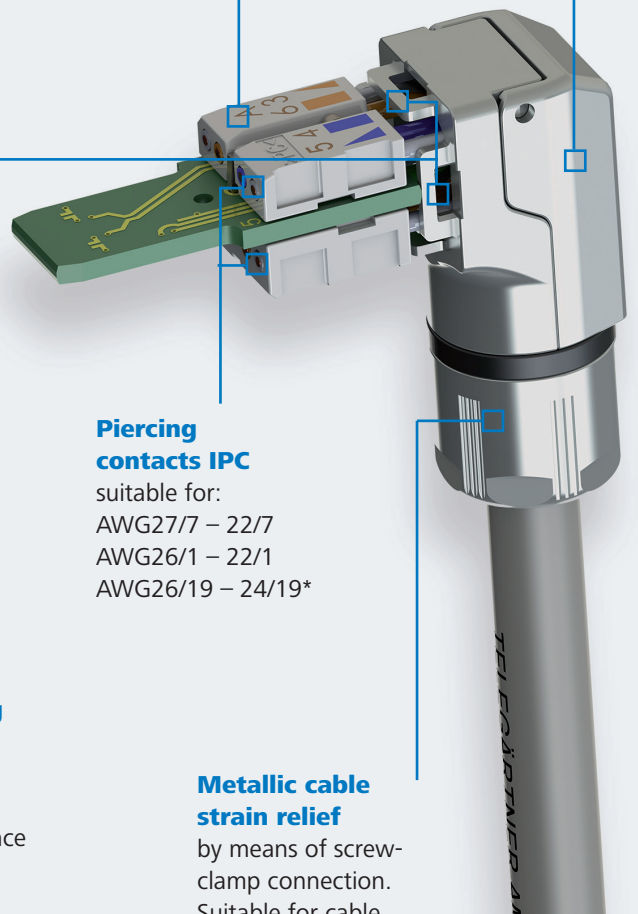
Effective protection of contacts from dirt and damage in transit also whilst cable assembly

Standardised plug interface

acc. to EN 60603-7-51

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*

Metallic cable strain relief

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

MFP8 Cat.6A

Four strain relief settings

Suitable for cable diameters from 5.0 mm to 9.0 mm

Long release latch

Insertion and withdrawal made easy in confined spaces

360° shielding

Secure data transmission even with outside electrical interference

Full metal shielding

Between pairs of wires

Four-chamber wire manager

Available with colour code T568A, T568B, PROFINET

Piercing contacts IPC

Suitable for:
AWG27/7 – 22/7
AWG26/1 – 22/1
AWG26/19 – 24/19*

Robust zinc die-cast housing

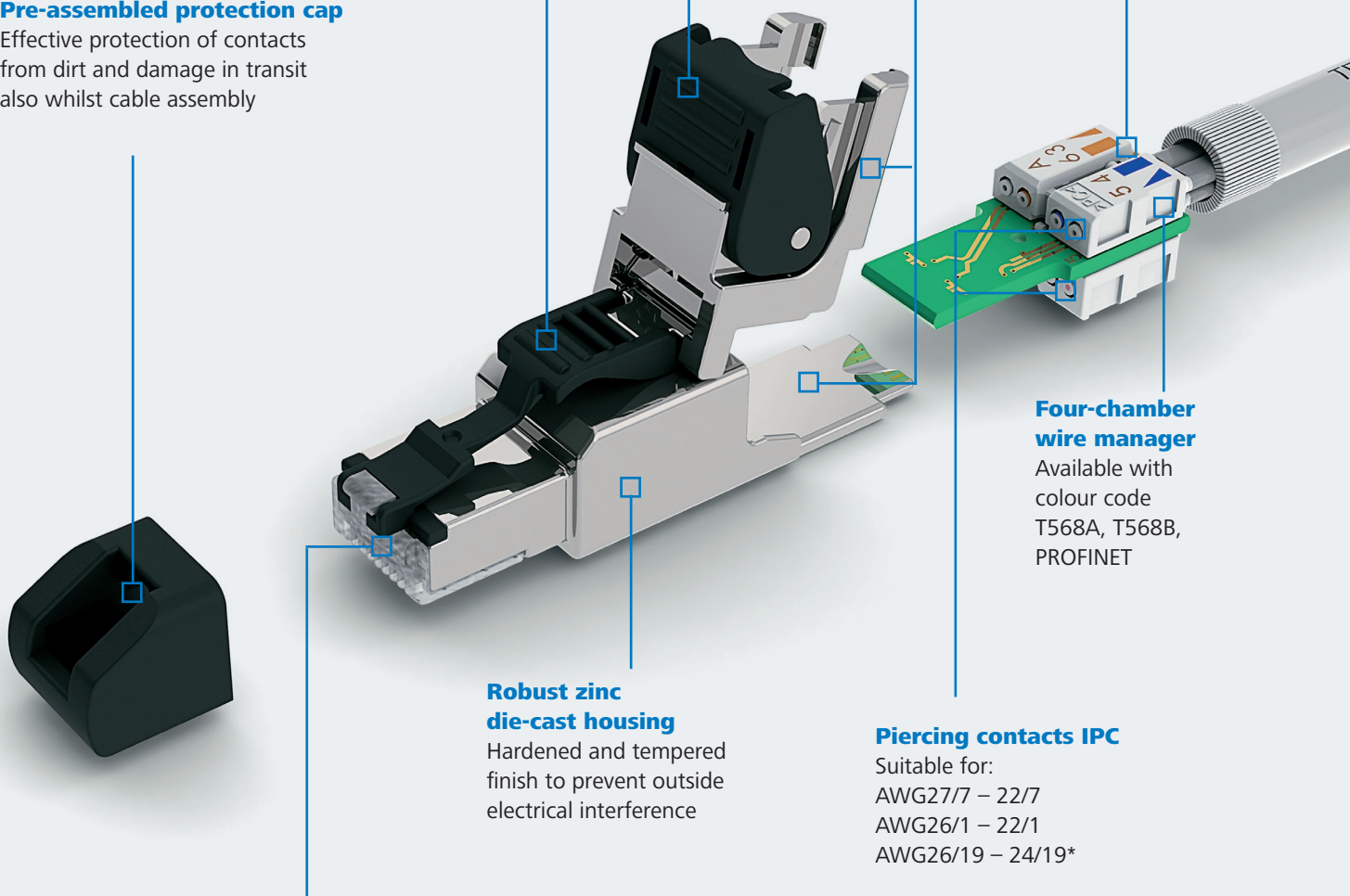
Hardened and tempered finish to prevent outside electrical interference

Standardised plug interface

acc. to EN 60603-7-51


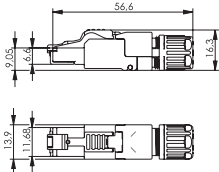

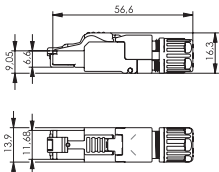

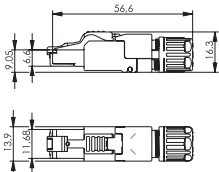

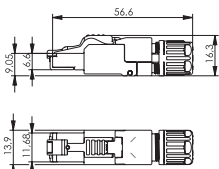

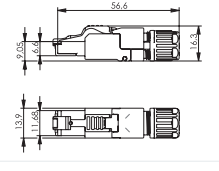

Pre-assembled protection cap

Effective protection of contacts from dirt and damage in transit also whilst cable assembly



Specifications MFP8 IE Cat.6A:

- 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

- 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

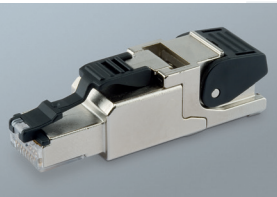
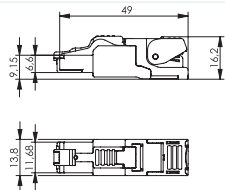

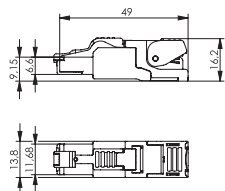
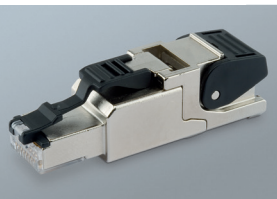
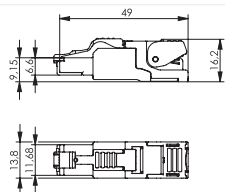

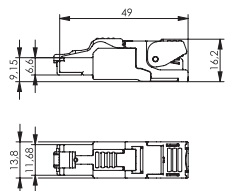
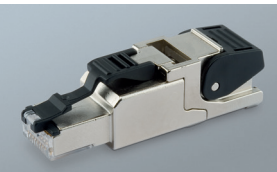
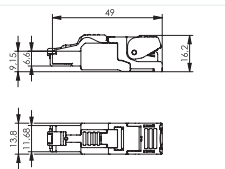

* approval of cable by Telegärtner Karl Gärtner GmbH required

Specifications MFP8 Cat.6A:

- 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	

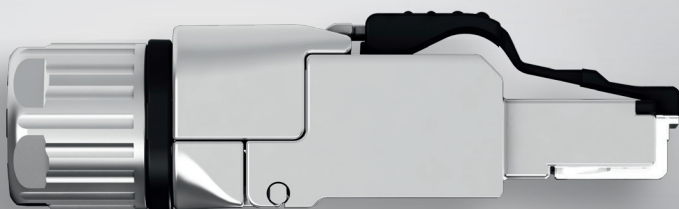
* approval of cable by Telegärtner Karl Gärtner GmbH required



MFP8 Cat.6_A

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

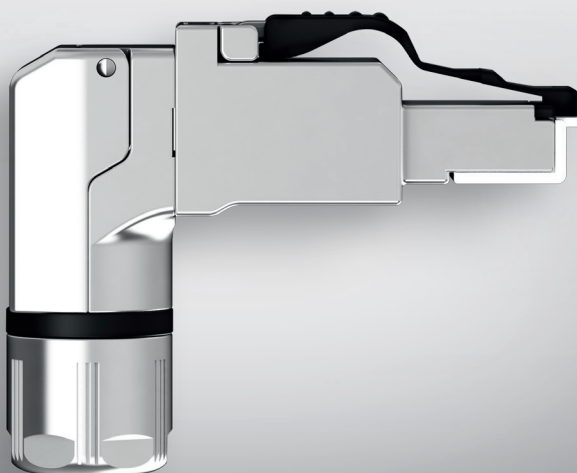
Most suited for data center, enterprise and residential cabling.



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

Other Telegärtner products for industrial premises and machinery cabling

Industrial Ethernet connector STX



Whether it involves factory, machinery or facility cabling: With the industrial connectors of Variant 1, Variant 4, Variant 5 and Variant 14 from the STX platform and industrial connectors of Variant 6 Telegärtner offers you top class standard compliant Industrial Ethernet solutions.

The STX platform concept for industrial connectors enables the use of inserts with identic dimensions in different housings. There is nothing easier and at the same time more reliable for modern, future proof 10 Gbit networks for industrial premises.

More information and a detailed list of products can be found at

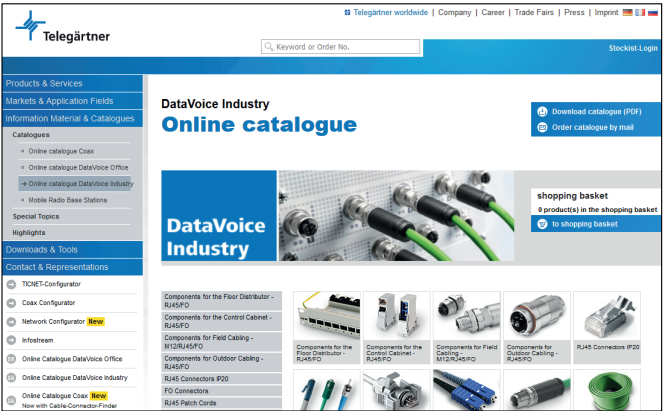
www.telegaertner.com/en/stx

DataVoice Industry catalogue



All Telegärtner network components for the industrial sector can be found in our DataVoice industry catalogue. Download or order at www.telegaertner.com

Online catalogue



All products can be downloaded our online catalogue at

www.telegaertner.com

Telegärtner
Karl Gärtner GmbH

Lerchenstr. 35
D-71144 Steinenbronn

Telefon: +49 (0) 71 57/1 25-100
Telefax: +49 (0) 71 57/1 25-120

E-Mail: info@telegaertner.com
Web: www.telegaertner.com

Your distributor: