

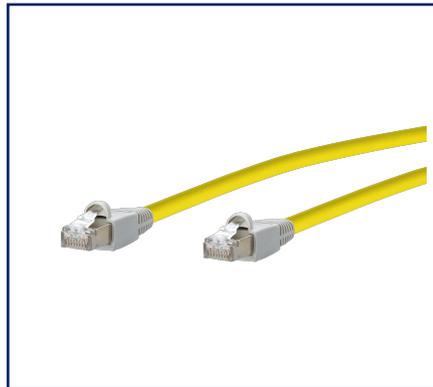
Data sheet

E-DAT Industry patch cord RJ45 - RJ45 7.0 m

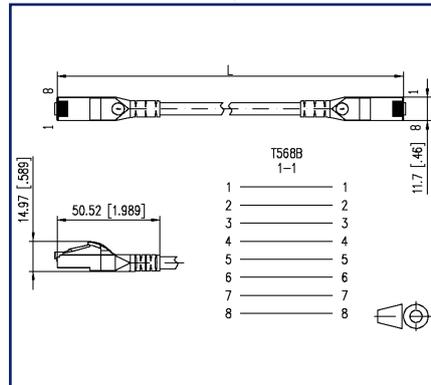
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P/N
141N110010070
EAN 4251394611310
2025/06/24
Version: E

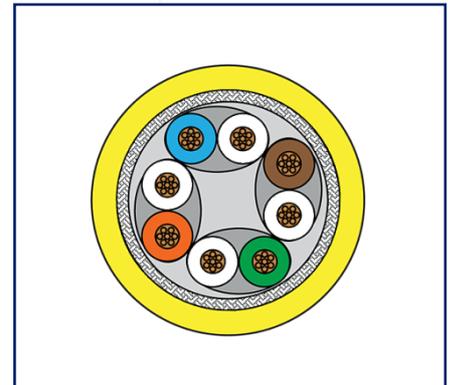
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- fully shielded Cat.6 patch cable AWG 26/7 S/FTP with PUR cable sheath
- 1:1 assignment
- compliance with class E according to ISO/IEC 11801, DIN EN 50173-1
- yellow cable, gray connector
- cable colors may differ
- for variant IP67 - IP67 the following lengths are available: 1, 2, 5, 10, 15 and 20 m
- for variant IP67 - RJ45 the following lengths are available: 1, 2, 3, 5, 10, 15 and 20 m
- for variant RJ45 - RJ45 the following lengths are available: 1, 2, 3, 5 and 7 m
- other lengths available



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Technical Data

General Data

| | |
|---|-----------------------------------|
| Fields of application | Industrial Ethernet |
| Mechanical measurement according to MICE | M1 |
| Ingress measurement according to MICE | I1 |
| Climatic measurement according to MICE | C1 |
| Electromagnetic measurement according to MICE | E2 |
| Design | patch cord |
| Shielding | shielded |
| Transmission technology | Copper |
| Cable Type | S/FTP |
| Number of twisting elements | 4 |
| Twisting element | Pair |
| Wiring | 1 - 1 |
| Color | yellow |
| Dimensions | |
| Dimension - Interface 1 (L x W x H) | 50.52 mm x 14.97 mm x 11.7 mm |
| Dimension - Interface 1 (L x W x H) | 1.989 in. x 0.589 in. x 0.461 in. |
| Dimension - Interface 2 (L x W x H) | 50.52 mm x 14.97 mm x 11.7 mm |
| Dimension - Interface 2 (L x W x H) | 1.989 in. x 0.589 in. x 0.461 in. |
| Cable length (m) | 7 m |

Transmission characteristics

| | |
|--|--------------|
| Category (ISO) | 6 |
| Class (ISO/IEC) | E |
| PoE | IEEE 802.3af |
| PoE plus | IEEE 802.3at |
| UPoE | yes |
| Transmission rate up to 1 GBit (Fast Ethernet) | IEEE 802.3ab |

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Connections/interfaces

| | |
|---|-----------------------|
| Connector technology interface 1 | RJ45 plug |
| Connector technology interface 2 | RJ45 plug |
| Number of ports interface 1 | 1 |
| Number of ports interface 2 | 1 |
| Number of equipped ports interface 1 | 1 |
| Number of ports interface 2 equipped | 1 |
| Number of positions/contacts interface 1 | 8P/8C |
| Number of positions/contacts interface 2 | 8P/8C |
| Termination data, stranded wire (min. - max.) | |
| Conductor cross section, stranded wire | AWG 26/7 |
| Conductor cross section, stranded wire | 0.141 mm ² |
| Conductor diameter, stranded wire (bare copper) | 0.483 mm |
| Conductor diameter, stranded wire (bare copper) | 0.019 in. |
| Cable sheath diameter (min. - max.) | |
| Cable sheath diameter | 5.8 |

Electrical characteristics

| | |
|-----------------------|---------------|
| Contact resistance | max. 20 mOhm |
| Insulation resistance | min. 500 MOhm |

Mechanical data

| | |
|--|----------|
| Life - Number of mating cycles | min. 750 |
| Position/mounting of latch standard installation position | top |
| Bending radius without load | 17.4 mm |
| Bending radius with load | 46.4 mm |

Materials and material properties

| | |
|-------------------------------------|-------------------------|
| Material - Conductor | Cu (copper) |
| Material - Conductor Insulation | Foam-Skin Polyethylen |
| Material - Cable jacket | PUR |
| Material - Plug housing interface 1 | PC UL94 V0 |
| Material - Plug housing interface 2 | PC UL94 V0 |
| Material - Contact interface 1 | Ph-Br (phosphor bronze) |



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Materials and material properties

| | |
|---------------------------------------|-------------------------|
| Material - Contact interface 2 | Ph-Br (phosphor bronze) |
| Material - Contact finish interface 1 | Ni + Au (nickel-gold) |
| Material - Contact finish interface 2 | Ni + Au (nickel-gold) |
| Flame retardancy | yes |
| Halogen free | yes |
| Oil resistance | yes |
| RoHS | compliant |

Environmental conditions

| | |
|-------------------------------|----------------|
| Temperature (min. - max.) | |
| Temperature - Operating °C | -20 °C - 60 °C |
| Temperature - Operating °F | -4 °F - 140 °F |
| Temperature - Installation °C | 50 °C |
| Temperature - Installation °F | 122 °F |

General information This product is suitable for use in industrial environments inside buildings with IPxy protection class according to DIN EN 60529 specified in this data sheet. Not specified for outdoor applications.

Standards/Regulations

| | |
|--|-------------|
| Test for vertical flame propagation for a single insulated wire or cable | IEC 60332-1 |
| Measurement of smoke density of cables burning | IEC 61034 |
| Determination of acidity (by measuring the pH value) and conductivity | IEC 60754-2 |

Classifications

| | |
|----------|----------|
| ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 |
| ETIM 9.0 | EC002599 |

Packing details

| | |
|-------------------|-----------------------|
| Type of packaging | 1 pc(s) / plastic bag |
|-------------------|-----------------------|

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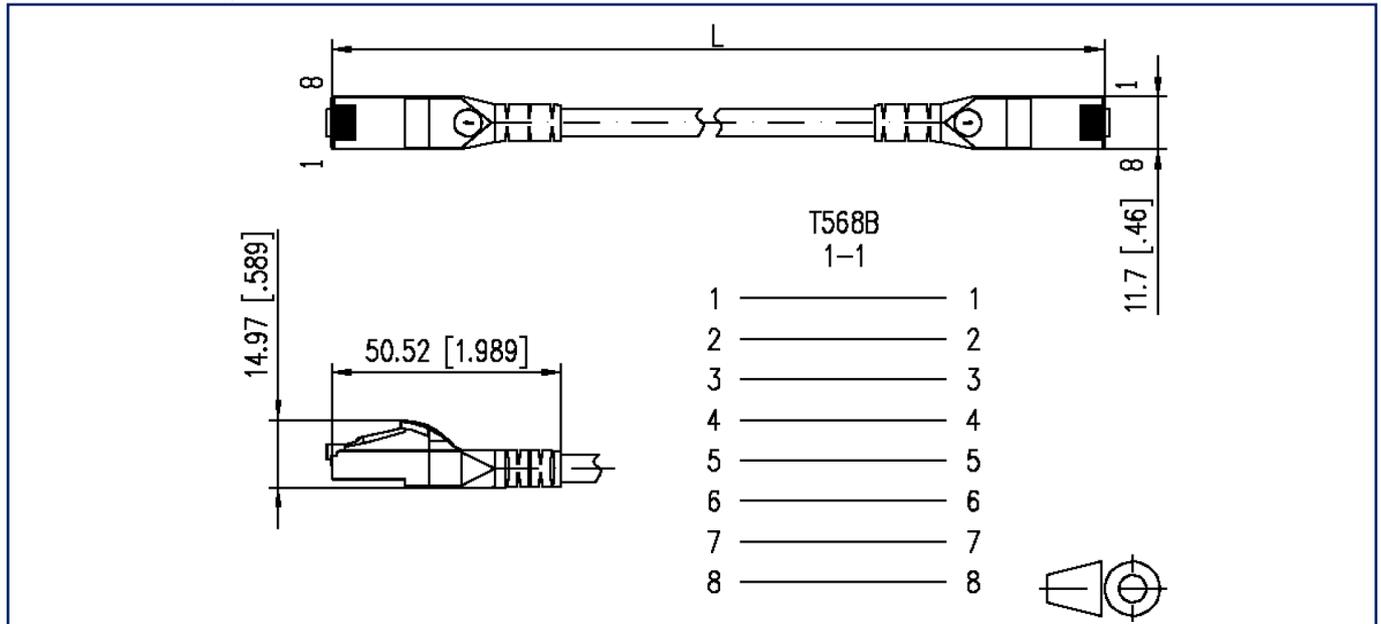
Technical Data**Application note**

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



Illustrations

Dimensional drawing



Principle diagram

