

## Data sheet

### E-DAT Industry patch cord V6 IP67 - IP67 1.0 m

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P/N

141N113K13K10

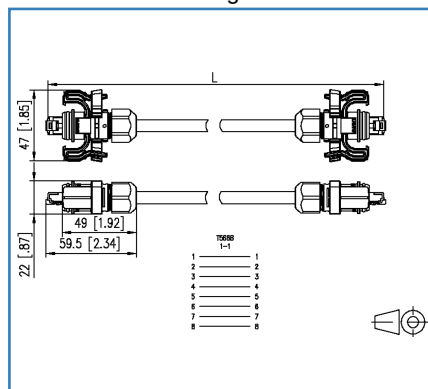
EAN 4250184131267

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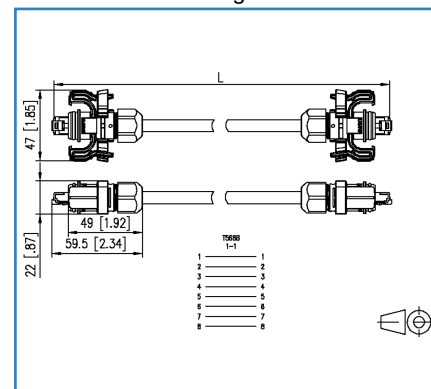
## Illustrations



Dimensional drawing



Dimensional drawing



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
- RJ45-IP67-V6 connector shielded on both ends
- 1:1 assignment
- compliance with class E to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- yellow cable, gray connector
- cable colors may differ
- other lengths available
- variants: 1, 2, 5, 10, 15 and 20 m



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### Technical Data

#### General Data

|                                     |                          |
|-------------------------------------|--------------------------|
| Fields of application               | Industrial Ethernet      |
| 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) | 59.50 x 47.00 x 22.00 mm |
| Dimension - Interface 1 (L x W x H) | 2.343 x 1.85 x 0.866 in. |
| Dimension - Interface 2 (L x W x H) | 59.50 x 47.00 x 22.00 mm |
| Dimension - Interface 2 (L x W x H) | 2.343 x 1.85 x 0.866 in. |
| Cable length (m)                    | 1.00 m                   |
| Cable length (ft)                   | 3.28 ft                  |

#### 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 |

#### 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     |



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#### Connections/interfaces

|                                                 |                       |
|-------------------------------------------------|-----------------------|
| Protective housing interface 1                  | V6                    |
| Protective housing interface 2                  | V6                    |
| Termination data, stranded wire (min. - max.)   |                       |
| Conductor cross section, stranded wire          | AWG 26/7              |
| Conductor cross section, stranded wire          | 0.141 mm <sup>2</sup> |
| 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 mm                |
| Cable sheath diameter                           | 0.228 in.             |

#### Electrical characteristics

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

#### Mechanical characteristics

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Life - Number of mating cycles                              | min. 750  |
| Position/mounting of latch - standard installation position | top       |
| Bending radius without load                                 | 17.4 mm   |
| Bending radius without load                                 | 0.685 in. |
| Bending radius with load                                    | 46.4 mm   |
| Bending radius with load                                    | 1.827 in. |

#### 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 - Protective housing interface 1 | PA 6.6 UL94 V0          |
| Material - Protective housing interface 2 | PA 6.6 UL94 V0          |
| Material - Contact interface 1            | Ph-Br (Phosphor Bronze) |
| Material - Contact interface 2            | Ph-Br (Phosphor Bronze) |
| Material - Contact finish interface 1     | Ni + Au (nickel-gold)   |



### Technical Data

#### Materials and material properties

|                                           |                       |
|-------------------------------------------|-----------------------|
| Material - Contact finish interface 2     | Ni + Au (nickel-gold) |
| Material - Protective housing interface 2 | PA 6.6 UL94 V0        |
| Material - Protective housing interface 1 | PA 6.6 UL94 V0        |
| Flame retardancy                          | yes                   |
| Halogen free                              | yes                   |
| Oil resistance                            | yes                   |

#### Environmental conditions

|                                      |                      |
|--------------------------------------|----------------------|
| Temperature (min. - max.)            |                      |
| Temperature - Operating °C           | -20 - 60 °C          |
| Temperature - Operating °F           | -4 - 140 °F          |
| Temperature - Installation °C        | 0 - 50 °C            |
| Temperature - Installation °F        | 32 - 122 °F          |
| Particulate ingress interface 1      | IP6X when plugged in |
| Liquid ingress/immersion interface 1 | IPX7 when plugged in |
| Particulate ingress interface 2      | IP6X when plugged in |
| Liquid ingress/immersion interface 2 | IPX7 when plugged in |

#### Approvals

|      |           |
|------|-----------|
| RoHS | compliant |
|------|-----------|

#### The product meets the following standards

|                                                                          |                                                       |
|--------------------------------------------------------------------------|-------------------------------------------------------|
| Generic cabling systems                                                  |                                                       |
| General requirements                                                     | ISO/IEC 11801 Ed.2.2:2011-06   DIN EN 50173-1:2011-09 |
| 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                                           |



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#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001262 |
| ETIM 6.0 | EC001262 |

#### Packing details

|                                 |                       |
|---------------------------------|-----------------------|
| Type of packaging               | 1 pc(s) / plastic bag |
| Packaging unit - Weight (gram)  | 68.00 g               |
| Packaging unit - Weight (pound) | 0.15 lb               |



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**Accessories**

| P/N         | Designation                                |
|-------------|--------------------------------------------|
| 130906-V3-I | Locking clamp for IP67 V6 plug, light gray |
| 130906-V5-I | Locking clamp for IP67 V6 plug, yellow     |
| 130906-V6-I | Locking clamp for IP67 V6 plug, blue       |
| 130906-V7-I | Locking clamp for IP67 V6 plug, green      |
| 130906-V8-I | Locking clamp for IP67 V6 plug, red        |



# P | Cabling

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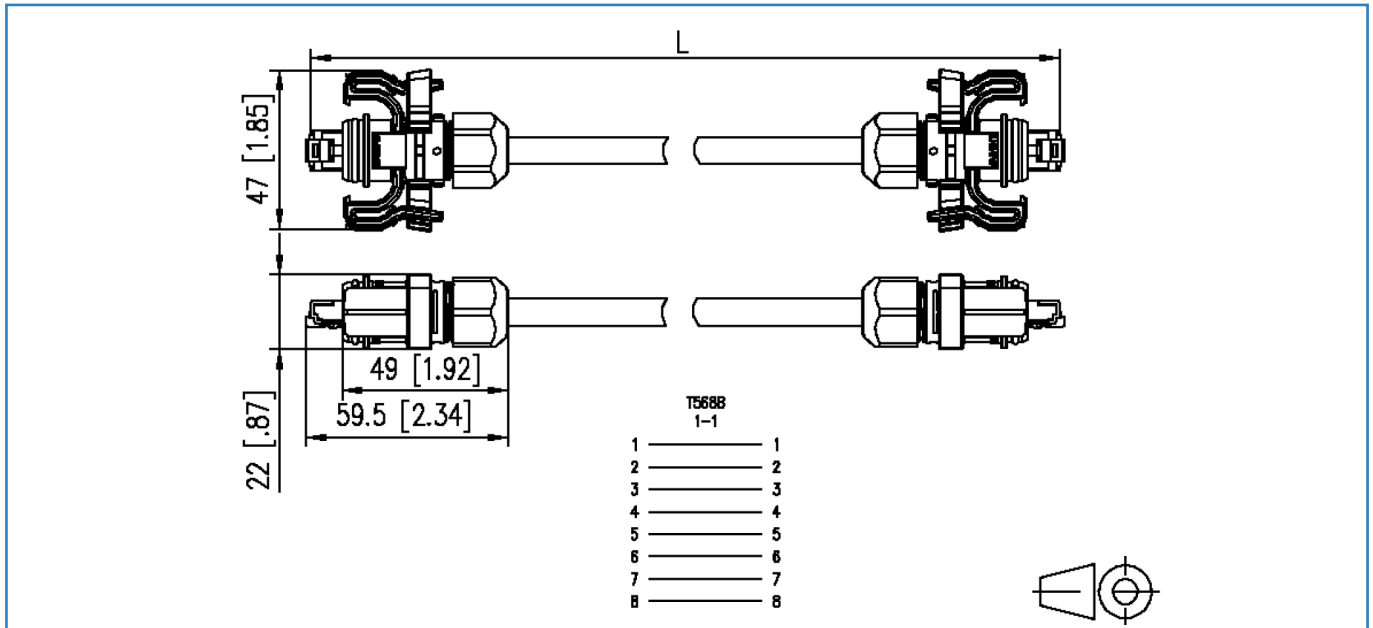
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