

## Data sheet

Patch cord Cat.6<sub>A</sub> AWG 26 2.0 m gray

Page 1/6

P/N

1308452033-E

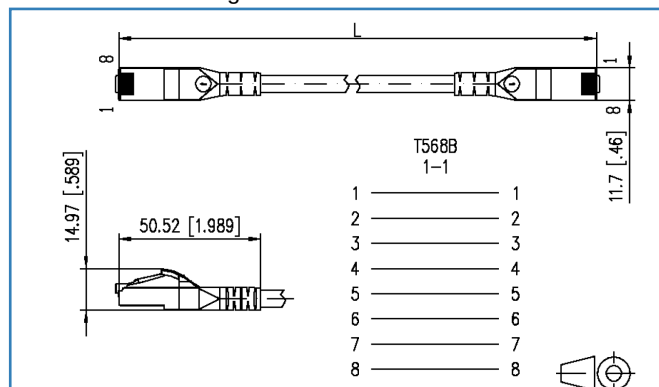
EAN 4250184117353

2018-25-04

## Illustrations



Dimensional drawing



See enlarged drawings at the end of document



## Product specification

- especially suitable for shielded and unshielded class E<sub>A</sub> systems
- fully shielded Cat.6<sub>A</sub> patch cord AWG 26/7
- two shielded RJ45 connectors; 1:1 assignment
- cable type: S/FTP 4x2xAWG 26/7 PIMF
- cable sheath: LSHF(LSOH), halogen free
- Cat.6<sub>A</sub> to ISO/IEC 11801 Ed.2.2 (2011-06) and IEC 61935-2 Ed. 3.0 (2010-07), certified to GHMT
- class E<sub>A</sub> Link up to 500 MHz to ISO/IEC 11801 Ed.2.2:2011-06, DIN EN 50173-1:2011-09
- suitable for 10 GBit Ethernet (IEEE 802.3an) and Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- snagless boot with integrated lever protection
- colors may differ slightly due to different protection lots



### Technical Data

#### General Data

##### Fields of application

|                             |                           |
|-----------------------------|---------------------------|
|                             | Office                    |
| Design                      | Patch cords               |
| Shielding                   | shielded                  |
| Transmission technology     | Copper                    |
| Cable Type                  | S/FTP                     |
| Number of twisting elements | 4                         |
| Twisting element            | Pair                      |
| Wiring                      | 1 - 1                     |
| Color                       | gray                      |
| Dimensions                  |                           |
| Dimension (L x W x H)       | 50.52 x 11.70 x 14.97 mm  |
| Dimension (L x W x H)       | 1.989 x 0.461 x 0.589 in. |
| Cable length (m)            | 2.00 m                    |
| Cable length (ft)           | 6.56 ft                   |
| Marking option              | by cable boot             |

#### Transmission characteristics

|                                                    |                |
|----------------------------------------------------|----------------|
| Category (ISO)                                     | 6 <sub>A</sub> |
| Class (ISO/IEC)                                    | E <sub>A</sub> |
| Category (TIA)                                     | 6A             |
| Remote Powering                                    | yes            |
| PoE                                                | IEEE 802.3af   |
| PoE plus                                           | IEEE 802.3at   |
| UPoE                                               | yes            |
| HDBaseT                                            | yes            |
| Transmission rate up to 10 GBit (Gigabit-Ethernet) | IEEE 802.3an   |

#### 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 equipped ports interface 2 | 1         |



### Technical Data

#### Connections/interfaces

|                                                 |                       |
|-------------------------------------------------|-----------------------|
| 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 <sup>2</sup> |
| Conductor diameter, stranded wire (bare copper) | 0.483 mm              |
| Conductor diameter, stranded wire (bare copper) | 0.019 in.             |

#### Electrical characteristics

|                                                     |               |
|-----------------------------------------------------|---------------|
| Current carrying capacity                           | max. 1 A      |
| Rated voltage                                       | max. 50 V     |
| Contact resistance                                  | max. 20 mOhm  |
| Through resistance                                  | max. 200 mOhm |
| Insulation resistance                               | min. 100 MOhm |
| Dielectric strength conductor-conductor (primarily) | max. 500 V DC |
| Dielectric strength conductor-conductor (secondary) | max. 500 V DC |

#### Mechanical characteristics

|                                                             |     |
|-------------------------------------------------------------|-----|
| Position/mounting of latch - standard installation position | top |
|-------------------------------------------------------------|-----|

#### Materials and material properties

|                                         |                    |
|-----------------------------------------|--------------------|
| Material - Cable jacket                 | LSHF (LSOH)        |
| Material - Plug housing interface 1     | PC (polycarbonate) |
| Material - Plug housing interface 2     | PC (polycarbonate) |
| Material - Contact interface 1          | CuSn (tin bronze)  |
| Material - Contact interface 2          | CuSn (tin bronze)  |
| Material - Contact finish interface 1   | Au (gold)          |
| Material - Contact finish interface 2   | Au (gold)          |
| Material - Contact carriers interface 1 | Plastics           |
| Material - Contact carriers interface 2 | Plastics           |
| Material - Shield interface 1           | CuSn (tin bronze)  |
| Material - Shield interface 2           | CuSn (tin bronze)  |
| Material - Shield finish interface 1    | Sn (tin)           |
| Material - Shield finish interface 2    | Sn (tin)           |



# P | Cabling

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## Patch cord Cat.6<sub>A</sub> AWG 26 2.0 m gray

Page 4/6

P/N

1308452033-E

EAN 4250184117353

2018-25-04

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### Materials and material properties

|                  |     |
|------------------|-----|
| Flame retardancy | no  |
| Halogen free     | yes |

### Environmental conditions

|                               |             |
|-------------------------------|-------------|
| Temperature (min. - max.)     |             |
| Temperature - Storage °C      | -20 - 60 °C |
| Temperature - Storage °F      | -4 - 140 °F |
| Temperature - Operating °C    | -20 - 60 °C |
| Temperature - Operating °F    | -4 - 140 °F |
| Temperature - Installation °C | 0 - 50 °C   |
| Temperature - Installation °F | 32 - 122 °F |

### Certifications

GHMT Component



GHMT component - Validity period 27.11.2019

### 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<br>TIA/EIA 568-C.2 |
| Connectors for electronic equipment                                                  |                                                                          |
| Free and fixed connectors                                                            | IEC 60603-7-51                                                           |
| Information technology equipment -<br>Radio disturbance characteristics              | DIN EN 55022                                                             |
| Specification for the testing of balanced and coaxial information technology cabling |                                                                          |
| Cords as specified in ISO/IEC 11801 and related<br>standards                         | IEC 61935-2 Ed. 3.0 (2010-07)                                            |



## Data sheet

### Patch cord Cat.6<sub>A</sub> AWG 26 2.0 m gray

Page 5/6

P/N

1308452033-E

EAN 4250184117353

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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)  | 100.00 g                    |
| Packaging unit - Weight (pound) | 0.22 lb                     |
| Packaging dimension (W x H x D) | 160.00 x 100.00 x 380.00 mm |
| Packaging dimension (W x H x D) | 6.299 x 3.937 x 14.961 in.  |



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Page 6/6

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