

## Data sheet

Patch cord Cat.6<sub>A</sub> AWG 26 0.5 m white

Page 1/6

P/N

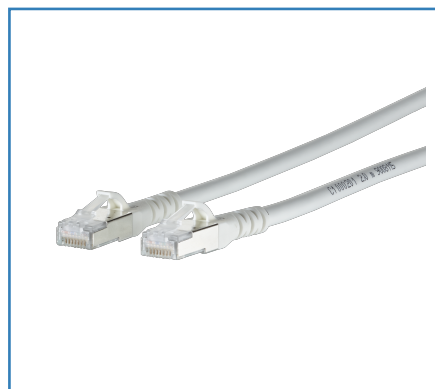
1308450588-E

EAN 4250184133636

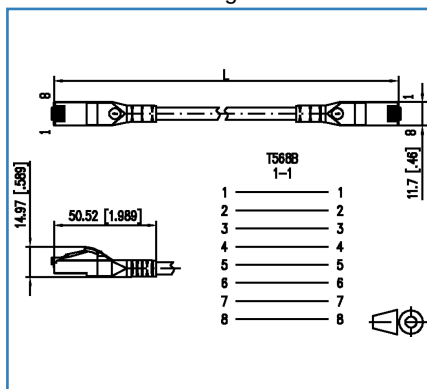
2019/09/19

Version: AI

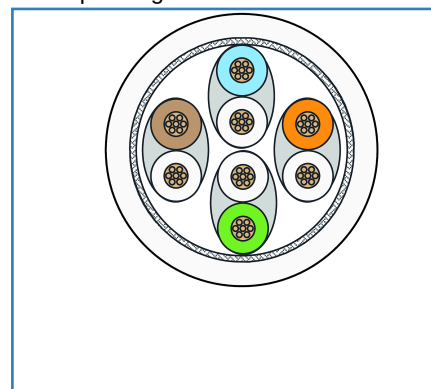
## Illustrations



Dimensional drawing



Principle diagram



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
- component testing for Cat.6<sub>A</sub> acc. to ISO/IEC 11801-1 and IEC 61935-2, certified to GHMT
- class E<sub>A</sub> Link up to 500 MHz to ISO/IEC 11801-1, DIN EN 50173-1
- 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



## Data sheet

Page 2/6

## Patch cord Cat.6<sub>A</sub> AWG 26 0.5 m white

P/N

1308450588-E

EAN 4250184133636

2019/09/19

Version: AI

### Technical Data

#### General Data

##### Fields of application

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
|                                     | Structured building cabling, Office<br>Data center |
| Design                              | patch cord                                         |
| Shielding                           | shielded                                           |
| Transmission technology             | Copper                                             |
| Cable Type                          | S/FTP                                              |
| Number of twisting elements         | 4                                                  |
| Twisting element                    | Pair                                               |
| Wiring                              | 1 - 1                                              |
| Color                               | white                                              |
| Dimensions                          |                                                    |
| Dimension - Interface 1 (L x W x H) | 50.52 mm x 11.7 mm x 14.97 mm                      |
| Dimension - Interface 1 (L x W x H) | 1.989 in. x 0.461 in. x 0.589 in.                  |
| Dimension - Interface 2 (L x W x H) | 50.52 mm x 11.7 mm x 14.97 mm                      |
| Dimension - Interface 2 (L x W x H) | 1.989 in. x 0.461 in. x 0.589 in.                  |
| Cable length (m)                    | 0.5 m                                              |
| Cable length (ft)                   | 1.64 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 | IEEE 802.3an   |



### Technical Data

#### 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 <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                           | 6.2 mm                |

#### 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)  |



### Technical Data

#### Materials and material properties

|                                         |                   |
|-----------------------------------------|-------------------|
| 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)          |
| Halogen free                            | yes               |
| RoHS                                    | compliant         |

#### Environmental conditions

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

#### Certifications

GHMT PVP



|                               |                                      |
|-------------------------------|--------------------------------------|
| GHMT PVP - Period of validity | 2020/01/31                           |
| Note on GHMT PVP              | Tested lengths: 1, 2, 5, 10 and 20 m |

#### 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>ANSI/TIA-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                                                              |



### Technical Data

#### Classifications

|          |          |
|----------|----------|
| ETIM 5.0 | EC001262 |
| ETIM 6.0 | EC001262 |
| ETIM 7.0 | EC001262 |

#### Packing details

|                                 |                                    |
|---------------------------------|------------------------------------|
| Type of packaging               | 1 pc(s) / plastic bag              |
| Packaging unit - Weight (gram)  | 46 g                               |
| Packaging unit - Weight (pound) | 0.1 lb                             |
| Packaging dimension             | 160 mm x 100 mm x 380 mm           |
| Packaging dimension             | 6.299 in. x 3.937 in. x 14.961 in. |

# P | Cabling

Data sheet

Patch cord Cat.6<sub>A</sub> AWG 26 0.5 m white

Page 6/6

P/N

1308450588-E

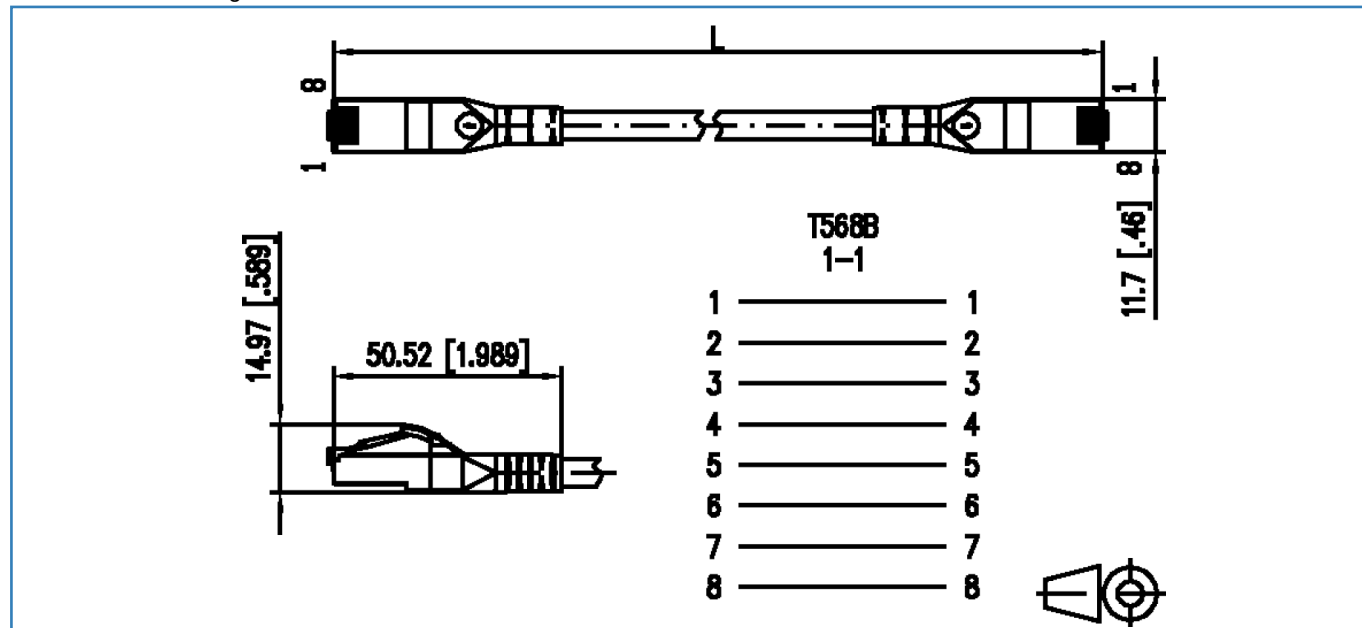
EAN 4250184133636

2019/09/19

Version: AI

## Illustrations

Dimensional drawing



Principle diagram

