

## Data sheet

**Patch cord Cat.6 Ultraflex500 VoIP**  
**AWG 26 2.0 m white**

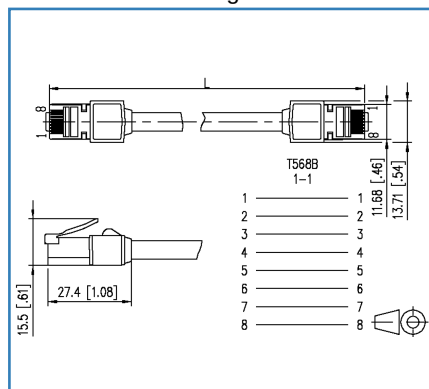
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**13084V2088-E**  
**EAN 4251122199790**  
 2020/03/13  
 Version: E

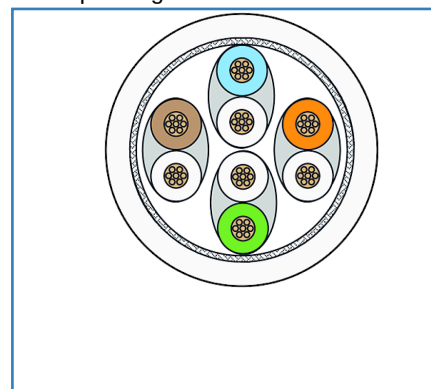
## Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

## Product specification

- ideal solution in case of limited space
- especially suitable for shielded and unshielded class E<sub>A</sub> systems
- fully shielded Cat.6 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
- very short cable boot
- especially suitable for VoIP terminal devices
- bending radius of up to 10 mm possible
- considerably longer durability than standard patch cords
- up to 8500 movement cycles possible under load

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## 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 coding fiber/ wire(s)                     | white/orange, orange, white/green, green, white/brown, brown,<br>white/blue, blue |
| Color                                           | white                                                                             |
| Dimensions                                      |                                                                                   |
| Dimension - Interface 1 (L x L x W x W x H x H) | 27.4 mm x 13.71 mm x 15.5 mm                                                      |
| Dimension - Interface 1 (L x L x W x W x H x H) | 1.079 in. x 0.54 in. x 0.61 in.                                                   |
| Dimension - Interface 2 (L x L x W x W x H x H) | 27.4 mm x 13.71 mm x 15.5 mm                                                      |
| Dimension - Interface 2 (L x L x W x W x H x H) | 1.079 in. x 0.54 in. x 0.61 in.                                                   |
| Cable length (m)                                | 2 m                                                                               |
| Cable length (ft)                               | 6.56 ft                                                                           |

### Transmission characteristics

|                                                  |                |
|--------------------------------------------------|----------------|
| Category (ISO)                                   | 6              |
| Class (ISO/IEC)                                  | E <sub>A</sub> |
| Category (TIA)                                   | 6              |
| Remote Powering                                  | yes            |
| PoE                                              | IEEE 802.3af   |
| PoE plus                                         | IEEE 802.3at   |
| UPoE                                             | yes            |
| HDBaseT                                          | yes            |
| Transmission rate up to 100 MBit (Fast Ethernet) | IEEE 802.3u    |
| Transmission rate up to 1 GBit (Fast Ethernet)   | IEEE 802.3ab   |
| Transmission rate up to 10 GBit                  | IEEE 802.3an   |



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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 <sup>2</sup> |
| Conductor diameter, stranded wire (bare copper)     | 0.47 mm - 0.51 mm     |
| Conductor diameter, stranded wire (bare copper)     | 0.019 in.             |
| Core diameter (min. - max.)                         |                       |
| Core diameter (conductor with insulation)           | 0.98 mm - 1.08 mm     |
| Core diameter (conductor with insulation)           | 0.039 in. - 0.043 in. |
| Cable sheath diameter (min. - max.)                 |                       |
| Cable sheath diameter                               | 6 mm - 6.4            |
| Cable sheath diameter                               | 0.236 in. - 0.252     |
| 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         |
| Loop resistance                                     | 142 Ohm/km            |
| Dielectric strength conductor-conductor (primarily) | max. 500 V AC         |
| Dielectric strength conductor-conductor (secondary) | max. 500 V AC         |

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### Mechanical data

|                                                             |           |
|-------------------------------------------------------------|-----------|
| Position/mounting of latch - standard installation position | top       |
| Bending radius without load                                 | 10 mm     |
| Bending radius without load                                 | 0.394 in. |
| Number of alternating bending cycles                        | max. 8500 |

### Materials and material properties

|                                         |                       |
|-----------------------------------------|-----------------------|
| Material - Conductor                    | Cu (copper)           |
| Material - Conductor Insulation         | Foam-Skin Polyethylen |
| 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)              |
| Material - Pair shield                  | Aluminium/Polyester   |
| Material - Main shield                  | Cu (copper) braid     |
| Flame retardancy                        | no                    |
| Halogen free                            | yes                   |
| RoHS                                    | compliant             |
| REACH - substance (SVHC)                | none                  |

### Environmental conditions

|                            |                 |
|----------------------------|-----------------|
| Temperature (min. - max.)  |                 |
| Temperature - Storage °C   | -40 °C - 70 °C  |
| Temperature - Storage °F   | -40 °F - 158 °F |
| Temperature - Operating °C | -40 °C - 70 °C  |
| Temperature - Operating °F | -40 °F - 158 °F |

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## Technical Data

### The product meets the following standards

#### Generic cabling systems

|                      |                                                      |
|----------------------|------------------------------------------------------|
| General requirements | ISO/IEC 11801-1   DIN EN 50173-1<br>ANSI/TIA-568.2-D |
| Office buildings     | ISO/IEC 11801-2   DIN EN 50173-2<br>ANSI/TIA-568-D   |
| Living units         | ISO/IEC 11801-4   DIN EN 50173-4<br>ANSI/TIA-570-D   |
| Data centers         | ISO/IEC 11801-5   DIN EN 50173-5<br>ANSI/TIA-942-B   |

#### Connectors for electronic equipment

|                           |                |
|---------------------------|----------------|
| Free and fixed connectors | IEC 60603-7-51 |
|---------------------------|----------------|

#### Specification for the testing of balanced and coaxial information technology cabling

|                                                           |             |
|-----------------------------------------------------------|-------------|
| Cords as specified in ISO/IEC 11801 and related standards | IEC 61935-2 |
|-----------------------------------------------------------|-------------|

### Classifications

|          |          |
|----------|----------|
| ETIM 7.0 | EC001262 |
|----------|----------|

### Packing details

|                                 |                                    |
|---------------------------------|------------------------------------|
| Type of packaging               | 1 pc(s) / plastic bag              |
| Packaging dimension (W x H x D) | 160 mm x 100 mm x 380 mm           |
| Packaging dimension (W x H x D) | 6.299 in. x 3.937 in. x 14.961 in. |

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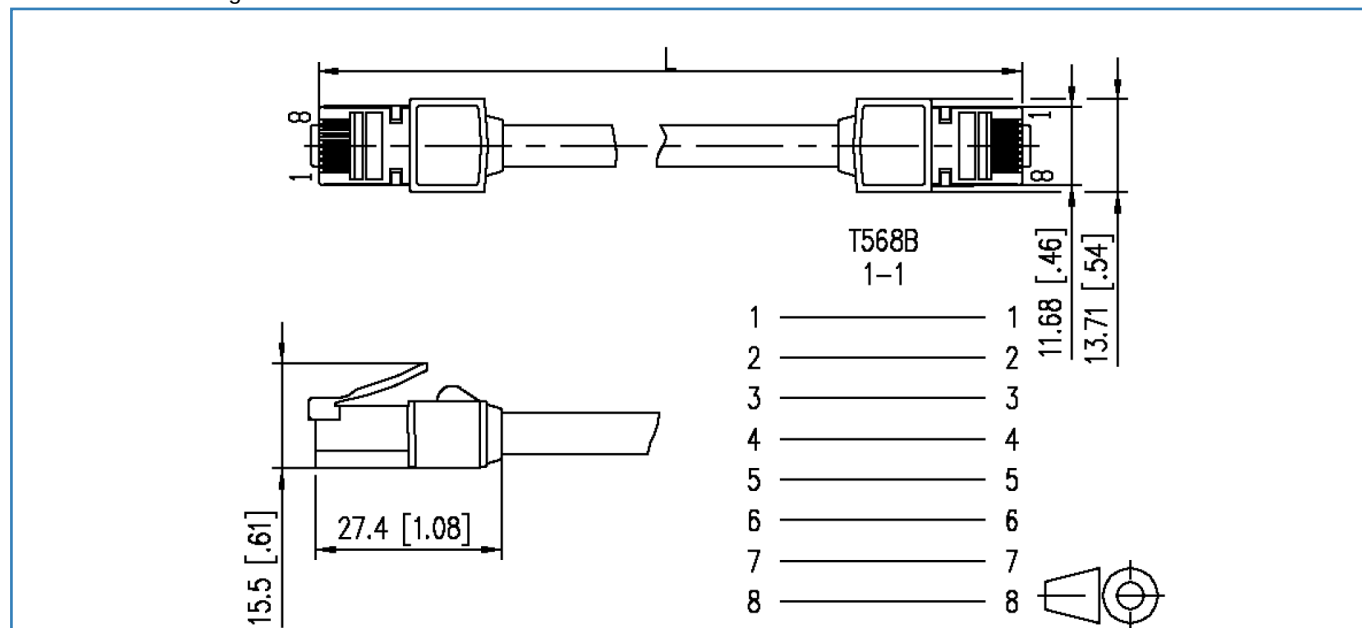
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