

# P | Cabling

## Data sheet

**Patch cord Cat.6 Ultraflex500 VoIP**  
**AWG 26 3.0 m black**

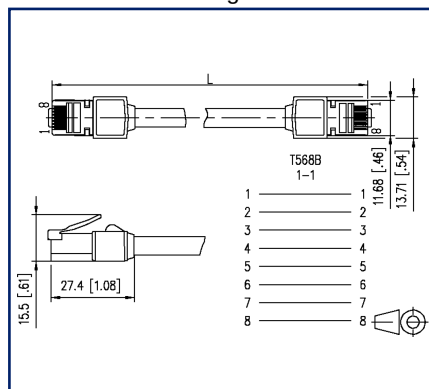
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P/N  
**13084U3000-E**  
**EAN 4251394668932**  
 2023/07/27  
 Version: C

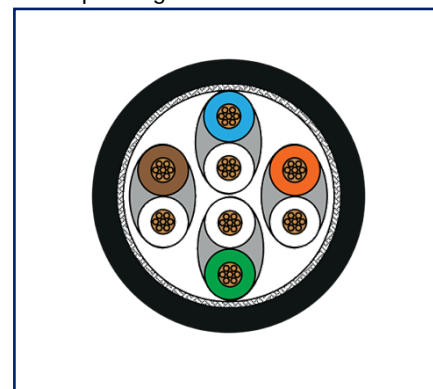
## Illustrations



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: PUR
- 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<br>Consolidation points<br>office areas<br>Distributed building services<br>data center<br>Tertiary |
| 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 coding fiber/ wire(s)                   | white/orange, orange, white/green, green, white/brown, brown, white/blue, blue                                                  |
| Color                                         | black                                                                                                                           |
| Dimensions                                    |                                                                                                                                 |
| Dimension - Interface 1 (L x W x H)           | 27.4 mm x 13.71 mm x 15.5 mm                                                                                                    |
| Dimension - Interface 1 (L x W x H)           | 1.079 in. x 0.54 in. x 0.61 in.                                                                                                 |
| Dimension - Interface 2 (L x W x H)           | 27.4 mm x 13.71 mm x 15.5 mm                                                                                                    |
| Dimension - Interface 2 (L x W x H)           | 1.079 in. x 0.54 in. x 0.61 in.                                                                                                 |
| Cable length (m)                              | 3 m                                                                                                                             |
| Cable length (ft)                             | 9.84 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   |



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#### Transmission characteristics

|                                                  |              |
|--------------------------------------------------|--------------|
| UPoE                                             | 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 |

#### 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. - 0.02 in.  |
| Core diameter (min. - max.)                     |                       |
| Core diameter                                   | 0.98 mm               |
| Core diameter                                   | 0.039 in.             |
| Cable sheath diameter (min. - max.)             |                       |
| Cable sheath diameter                           | 6 mm                  |

#### Electrical characteristics

|                                                     |               |
|-----------------------------------------------------|---------------|
| Current carrying capacity                           | max. 1 A      |
| Rated voltage                                       | max. 60 V DC  |
| Contact resistance                                  | max. 20 mOhm  |
| Through resistance                                  | max. 200 mOhm |
| Loop resistance                                     | 142 Ohm/km    |
| Insulation resistance                               | min. 100 MOhm |
| Dielectric strength conductor-conductor (primarily) | max. 500 V DC |



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#### Electrical characteristics

|                                                                 |               |
|-----------------------------------------------------------------|---------------|
| Dielectric strength conductor-conductor (primarily)             | max. 500 V AC |
| Dielectric strength conductor-conductor (secondary)             | max. 500 V DC |
| Dielectric strength conductor-conductor, peak value (secondary) | max. 500 V AC |

#### Mechanical data

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| Position/mounting of latch<br>standard installation position     | top       |
| Bending radius without load                                      | 10 mm     |
| Bending radius without load                                      | 0.394 in. |
| Number of alternating bending cycles (mechanical resistance) at: | max. 8500 |

#### Materials and material properties

|                                         |                       |
|-----------------------------------------|-----------------------|
| Material - Conductor                    | Cu (copper)           |
| Material - Conductor Insulation         | Foam-Skin Polyethylen |
| Material - Cable jacket                 | PUR                   |
| 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     |
| RoHS                                    | compliant             |

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### 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

### Standards/Regulations

Generic cabling systems

General requirements ISO/IEC 11801-1 | DIN EN 50173-1  
ANSI/TIA-568.2-D

Office buildings ISO/IEC 11801-2 | DIN EN 50173-2  
ANSI/TIA-568.2-D

Living units ISO/IEC 11801-4 | DIN EN 50173-4  
ANSI/TIA-570-D

Data centers ISO/IEC 11801-5 | DIN EN 50173-5  
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 following to IEC 61935-2

### Classifications

ETIM 5.0 EC001262

ETIM 6.0 EC001262

ETIM 7.0 EC001262

ETIM 8.0 EC001262

ETIM 9.0 EC001262

### Packing details

Type of packaging 1 pc(s) / plastic bag



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## Accessories from

| P/N           | Designation                                          |
|---------------|------------------------------------------------------|
| 130927-1200KE | SmartConnect Patchpanel 12 port Keystone, unequipped |

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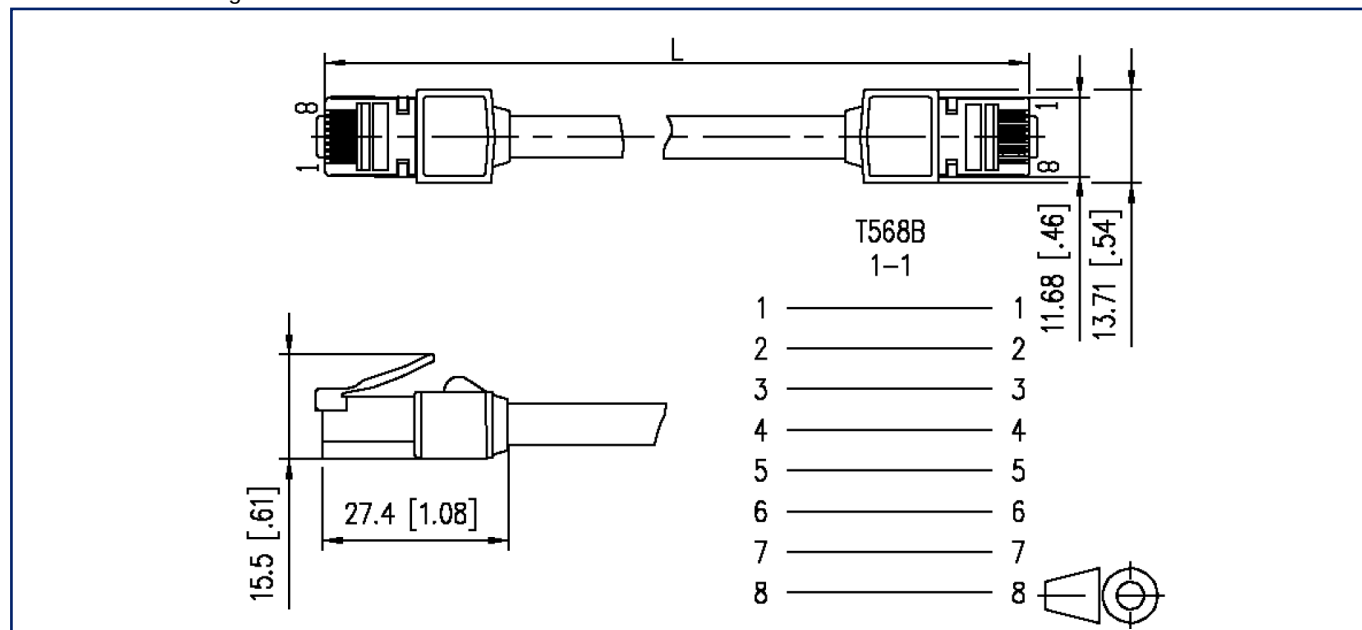
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