

Data sheet

Patch cord Cat.6_A AWG 26 15.0 m black

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P/N

130845A500-E

EAN 4250184154020

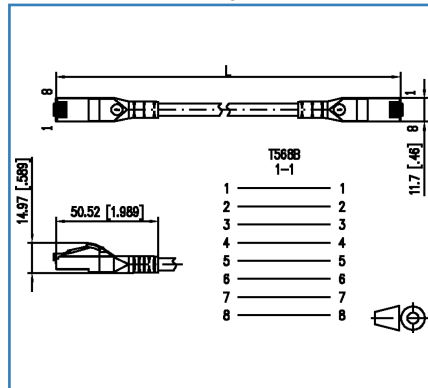
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Version: AI

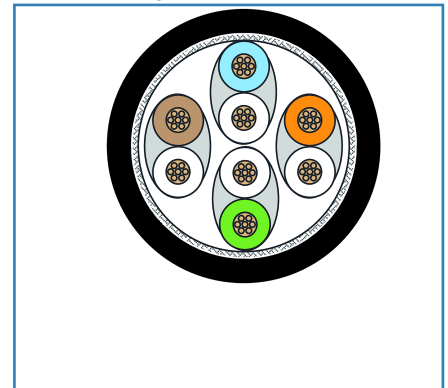
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document



Product specification

- especially suitable for shielded and unshielded class E_A systems
- fully shielded Cat.6_A 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_A acc. to ISO/IEC 11801-1 and IEC 61935-2, certified to GHMT
- class E_A 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



Technical Data

General Data

Fields of application

Structured building cabling, Office
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 black

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) 15 m

Cable length (ft) 49.21 ft

Marking option by cable boot

Transmission characteristics

Category (ISO) 6_A

Class (ISO/IEC) E_A

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 ² |
| 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 ANSI/TIA-568-C.2 |
| Information technology equipment - Radio disturbance characteristics | DIN EN 55022 |

Technical Data

Classifications

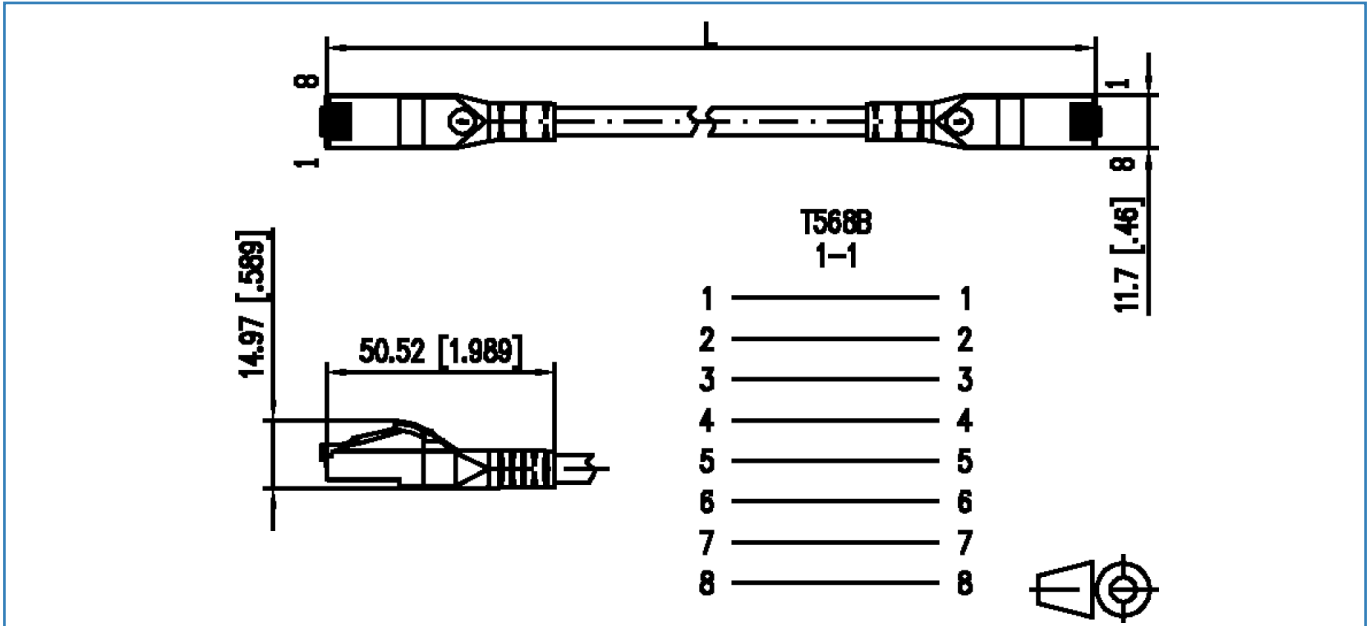
| | |
|----------|----------|
| ETIM 5.0 | EC001262 |
| ETIM 6.0 | EC001262 |
| ETIM 7.0 | EC001262 |

Packing details

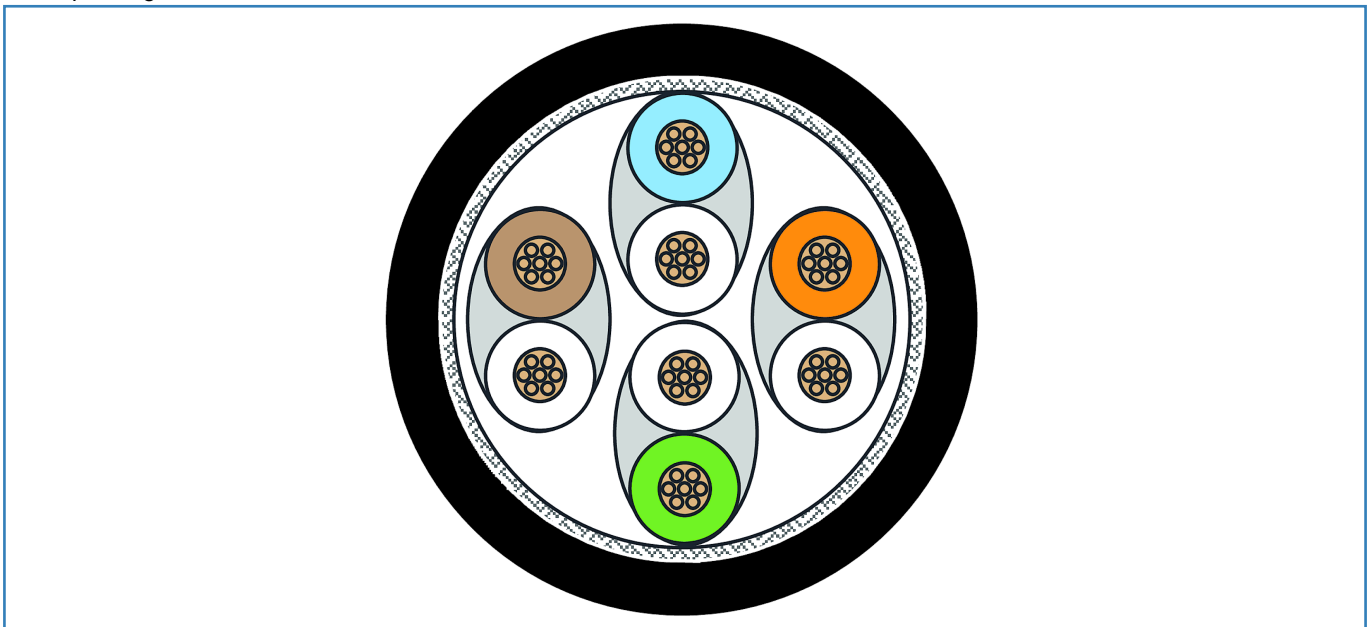
| | |
|---------------------------------|------------------------------------|
| Type of packaging | 1 pc(s) / plastic bag |
| Packaging unit - Weight (gram) | 608 g |
| Packaging unit - Weight (pound) | 1.34 lb |
| Packaging dimension | 160 mm x 100 mm x 380 mm |
| Packaging dimension | 6.299 in. x 3.937 in. x 14.961 in. |

Illustrations

Dimensional drawing



Principle diagram



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