

Data sheet

Patch cord Cat.6_A AWG 26 3.0 m yellow

Page 1/7

P/N

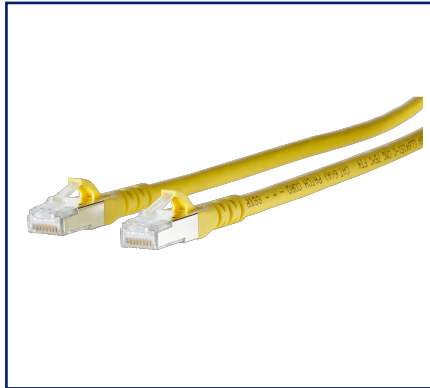
1308453077-E

EAN 4250184117254

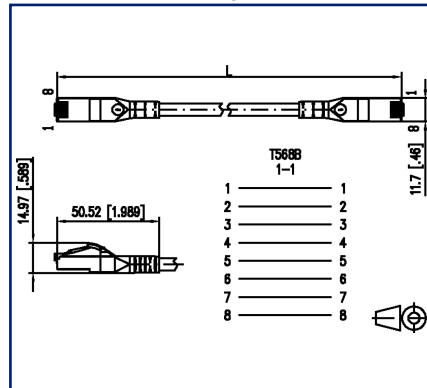
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Version: AP

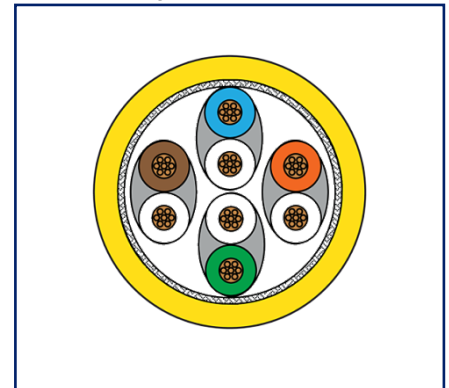
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- GHMT PVP certified fully shielded RJ45 patch cable Cat.6_A AWG 26/7
- Ideal for integration or connection of network components and secure communication of voice, data, audio/video and/or PoE signals in bandwidth-intensive networks up to 10 GBit.
- especially suitable for unshielded and shielded Class E_A systems
- two shielded RJ45 plugs, wiring 1 - 1
- LaBS-free and halogen free
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- cable boot injection molded with integrated latching lever protection
- same width for cable boot and RJ45 plug
- variants, color: black, white, gray, red, blue, yellow, green, orange-black, violet-black, purple-black
- variants, packaging unit: 1 piece in plastic bag (130845xyy-E) or 10 pieces in plastic bag (130845xyy-Z)
- all available variants can be generated via the configurator



P | Cabling

Data sheet

Page 2/7

Patch cord Cat.6_A AWG 26 3.0 m yellow

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Version: AP

Technical Data

General Data

| | |
|---|--|
| Fields of application | structured building cabling Consolidation points Industrial Ethernet office areas Distributed building services data center 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 | yellow |
| 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) | 3 m |
| Cable length (ft) | 9.84 ft |
| Weight | 42 kg/km |
| 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 |

P | Cabling

Data sheet

Page 3/7

Patch cord Cat.6_A AWG 26 3.0 m yellow

P/N

1308453077-E

EAN 4250184117254

2023/05/30

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Transmission characteristics

| | |
|--|--------------|
| 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 |

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 | 5.9 mm - 6.3 mm |
| Copper index | 24 kg/km |

Electrical characteristics

| | |
|---------------------------|---------------|
| Current carrying capacity | max. 1 A |
| Rated voltage | max. 60 V DC |
| Contact resistance | max. 20 mOhm |
| Through resistance | max. 200 mOhm |
| Insulation resistance | min. 500 MOhm |
| Transfer impedance 1 MHz | 25 mOhm/m |
| Transfer impedance 10 MHz | 25 mOhm/m |

P | Cabling

Data sheet

Page 4/7

Patch cord Cat.6_A AWG 26 3.0 m yellow

P/N

1308453077-E

EAN 4250184117254

2023/05/30

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Electrical characteristics

| | |
|---|------------------|
| Resistance unbalance | max. 3 % |
| Capacitance at 800 Hz | Nom. 43 nF/km |
| Delay skew | max. 12 ns/100 m |
| Dielectric strength conductor-conductor (primarily) | max. 500 V DC |
| 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 |
| Dielectric strength conductor-shield | max. 500 V DC |
| Dielectric strength conductor-shield, peak value | max. 500 V AC |

Mechanical data

| | |
|--|--------------|
| Tensile force | 100 N |
| Fire load | 0.104 kWh/m |
| Fire load | 540 MJ/km |
| Position/mounting of latch standard installation position | top |
| Bending radius without load | max. 25.2 mm |
| Bending radius with load | max. 50.4 mm |

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) |
| Halogen free | yes |

P | Cabling

Data sheet

Page 5/7

Patch cord Cat.6_A AWG 26 3.0 m yellow

P/N

1308453077-E

EAN 4250184117254

2023/05/30

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Materials and material properties

RoHS compliant

Environmental conditions

Temperature (min. - max.)

Temperature - Storage °C -20 °C - 60 °C

Temperature - Storage °F -4 °F - 140 °F

Temperature - Operating °C -20 °C - 60 °C

Temperature - Operating °F -4 °F - 140 °F

Temperature - Installation °C 0 °C - 50 °C

Temperature - Installation °F 32 °F - 122 °F

Certifications

GHMT PVP  yes

Note on GHMT PVP

Tested lengths: 1, 2, 5, 10 and 20 m

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 IEC 61935-2

P | Cabling

Data sheet

Page 6/7

Patch cord Cat.6_A AWG 26 3.0 m yellow

P/N

1308453077-E

EAN 4250184117254

2023/05/30

Version: AP

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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 |
|-------------------|-----------------------|



P | Cabling

Data sheet

Patch cord Cat.6_A AWG 26 3.0 m yellow

Page 7/7

P/N

1308453077-E

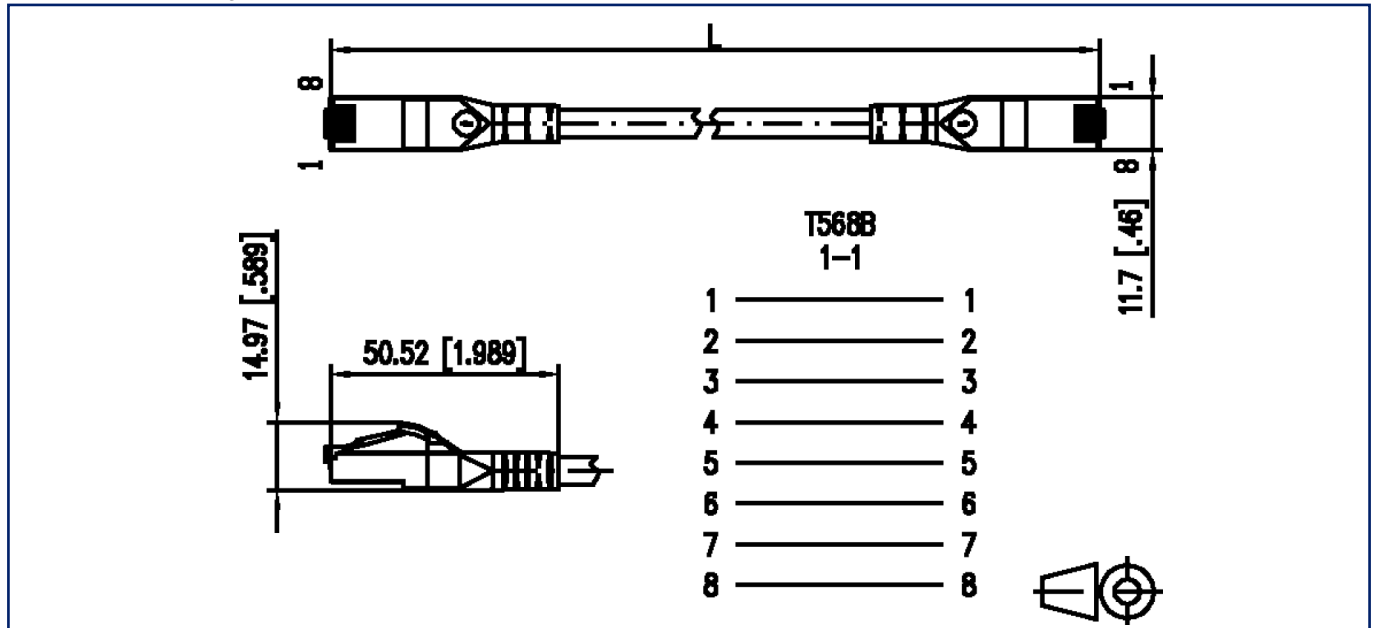
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