

P | Cabling

Data sheet

Patch cord Cat.6_A AWG 26 0.3 m black

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P/N

1308450300-E

EAN 4250184168706

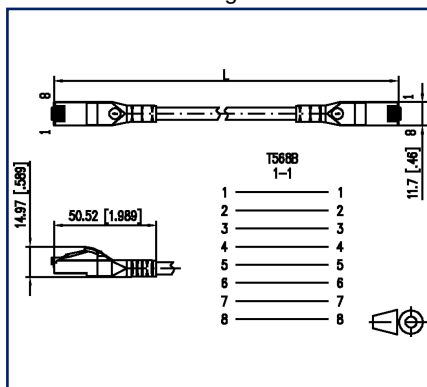
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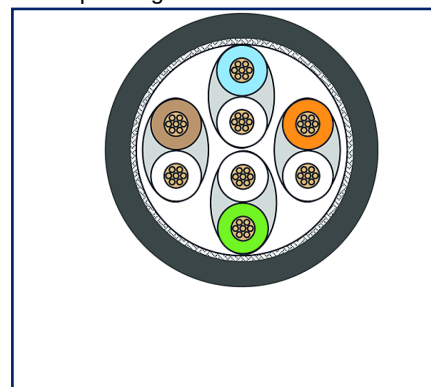
Illustrations



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 production lots



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Technical Data

General Data

Fields of application

Structured building cabling, Consolidation points
Industrial Ethernet, Office
Data center
Tertiary

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) 0.3 m

Cable length (ft) 0.98 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

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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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 mm	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
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-shield	max. 500 V DC
Dielectric strength conductor-shield	max. 500 V AC
Dielectric strength conductor-conductor (secondary)	max. 500 V AC

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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)
Flame retardancy	no
Halogen free	yes
RoHS	compliant
REACH - substance (SVHC)	none

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 Å°C	0 °C - 50 °C
Temperature - Installation Å°F	32 °F - 122 °F



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Certifications

GHMT PVP	yes
Note on GHMT PVP	Tested lengths: 1, 2, 5, 10 and 20 m

Approvals

CE	yes
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The product meets the following standards

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

Classifications

ETIM 5.0	EC001262
ETIM 6.0	EC001262
ETIM 7.0	EC001262

Packing details

Type of packaging	1 pc(s) / plastic bag
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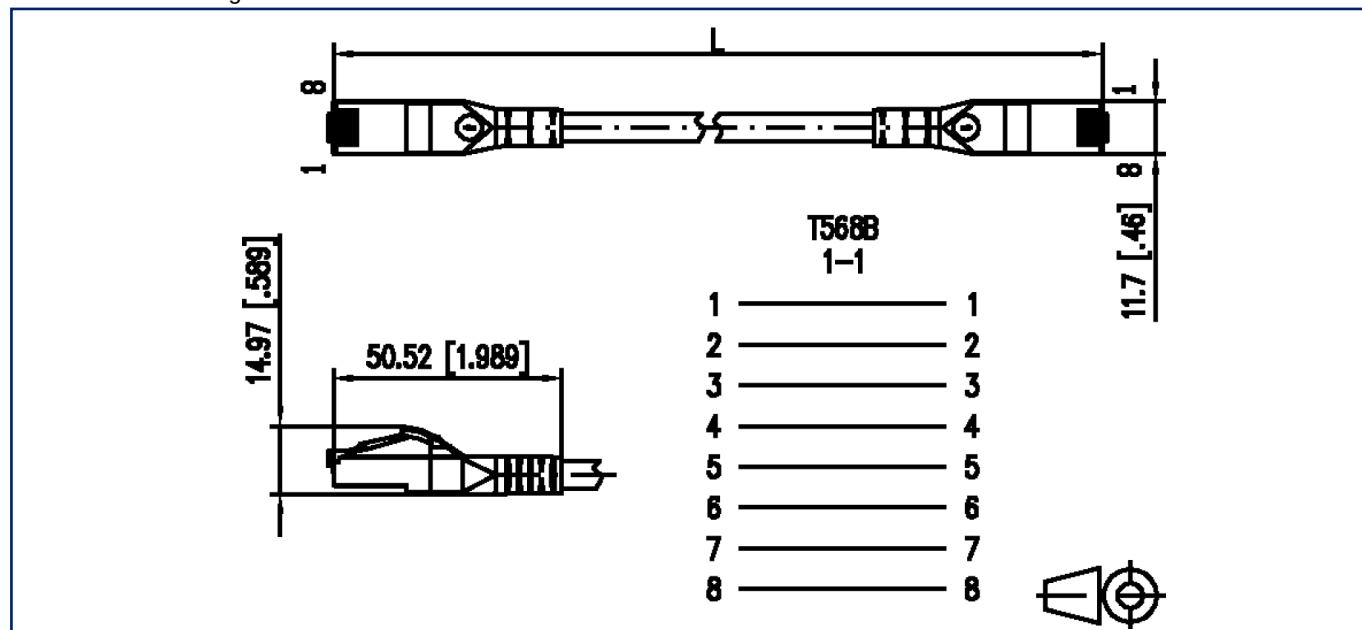
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Principle diagram

