

Data sheet

Patch cord 25G AWG 26 2.0 m yellow

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P/N

13084G2077-E

EAN 4251394610764

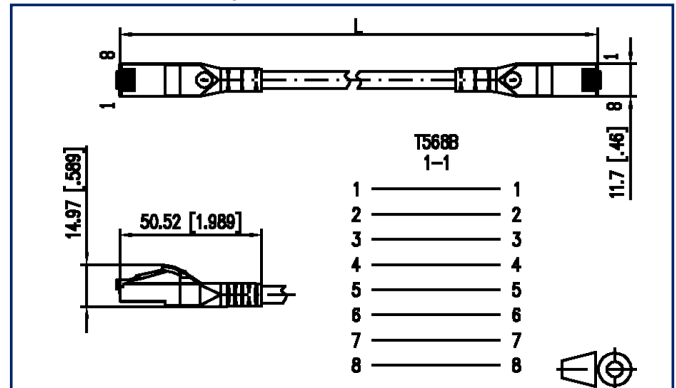
2023/05/26

Version: F

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- 25G AWG 26/7 patch cord with wires shielded in pairs, halogen free
- certified by accredited testing laboratory acc. to DTR-11801-9905 for 25GBASE-T in the Channel-Link with 30 m (50 m in preparation)
- two shielded RJ45 connectors, 1:1 assignment
- standard length: 2 m (no further lengths for 25Gbit possible)
- class E_A tested acc. to ISO/IEC 11801 and DIN EN 50173-1
- suitable for 25Gbit/s Ethernet (IEEE 802.3bq) and 10 Gbit/s Ethernet (IEEE 802.3an)
- molded snagless boot with integrated lever protection

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Technical Data

General Data

Fields of application	office areas Distributed building services 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)	2 m
Cable length (ft)	6.56 ft
Weight	42 kg/km
Weight	0.0926 lb
Marking option	by cable boot

Transmission characteristics

Category (ISO)	6 _A
Class (ISO/IEC)	E _A
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
HDBaseT	yes

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Transmission characteristics

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
Transmission rate up to 25 GBit (Fast Ethernet)	IEEE 802.3bq

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. 100 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

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Electrical characteristics

Delay skew	max. 12 ns/100 m
Dielectric strength conductor-conductor (primarily)	max. 500 V DC
Dielectric strength conductor-conductor (secondary)	max. 500 V DC

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
RoHS	compliant

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

Certifications

GHMT Type Approval



2 Connector Channel Link, 30 m Class 1 up to 1,25 GHz

Standards/Regulations

Generic cabling systems

General requirements	ISO/IEC 11802 DIN EN 50173-2 ANSI/TIA-568.2-D
Office buildings	ISO/IEC 11801-3 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 Ed. 3.0 (2010-07)

Classifications

ETIM 5.0	EC001262
ETIM 6.0	EC001262
ETIM 7.0	EC001262
ETIM 8.0	EC001262
ETIM 9.0	EC001262

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Packing details

Type of packaging	1 pc(s) / plastic bag
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