

P | Cabling

Data sheet

Patch cord 40G AWG 26 1.0 m yellow

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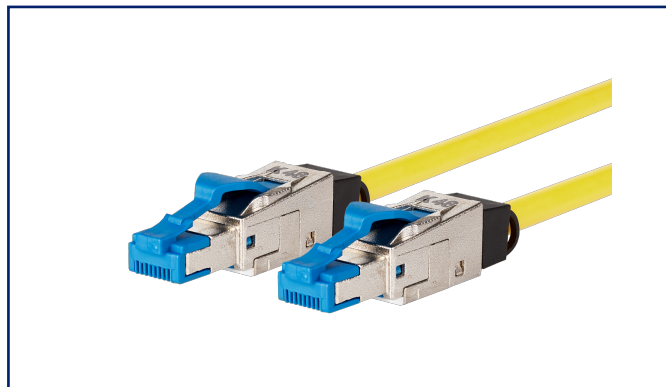
13084H1077-E

EAN 4251394618067

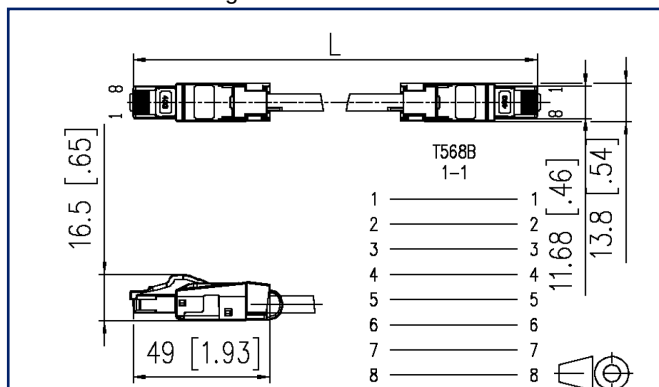
2023/05/26

Version: C

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- fully shielded and pair screened 40G patch cord
- cable type: S/FTP 4x2xAWG 26/7 PIMF
- cable sheath: LSHF (LSOH), halogen free
- two robust, shielded and multi-port capable RJ45 connectors, 1:1 assignment
- protected locking hook
- compliance with class I according to ISO/IEC 11801, DIN EN 50173-1
- transmission characteristics Cat.8.1 according to ISO/IEC 11801 (up to 2000 MHz)
- 40GBASE-T suitable for 40 Gbit Ethernet (IEEE 802.3bq)
- suitable for Remote Powering (PoE, PoE plus, UPoE and 4PPoE) and HDBaseT
- standard variants: 0.5 m, 1.0 m, 1.5 m, 2.0 m, 3.0 m, 5.0 m



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Technical Data

General Data

Fields of application	structured building cabling 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)	49 mm x 13.8 mm x 16.5 mm
Dimension - Interface 1 (L x W x H)	1.929 in. x 0.543 in. x 0.65 in.
Dimension - Interface 2 (L x W x H)	49 mm x 13.8 mm x 16.5 mm
Dimension - Interface 2 (L x W x H)	1.929 in. x 0.543 in. x 0.65 in.
Cable length (m)	1 m
Cable length (ft)	3.28 ft

Transmission characteristics

Category (ISO)	8.1
Class (ISO/IEC)	I
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
4PPoE	IEEE 802.3bt
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
Transmission rate up to 40 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	6.0 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
Insulation resistance	min. 100 MOhm
Transfer impedance 1 MHz	max. 25 mOhm/m
Transfer impedance 10 MHz	max. 25 mOhm/m
Transfer impedance 30 MHz	max. 30 mOhm/m
Resistance unbalance	max. 2 %



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Electrical characteristics

Capacitance at 800 Hz	Nom. 43 nF/km
Capacitance unbalance pair to ground	max. 1200 pF/km
Delay skew	max. 20 ns/100 m
Dielectric strength conductor-conductor (primarily)	max. 1000 V DC
Dielectric strength conductor-conductor (secondary)	max. 1000 V DC

Mechanical data

Tensile force	100 N
Fire load	296 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

Standards/Regulations

Generic cabling systems

General requirements ISO/IEC 11808 | DIN EN 50173-8
ANSI/TIA-568.2-D

Office buildings ISO/IEC 11801-9 | 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

ETIM 8.0 EC001262

ETIM 9.0 EC001262

Packing details

Type of packaging 1 pc(s) / plastic bag

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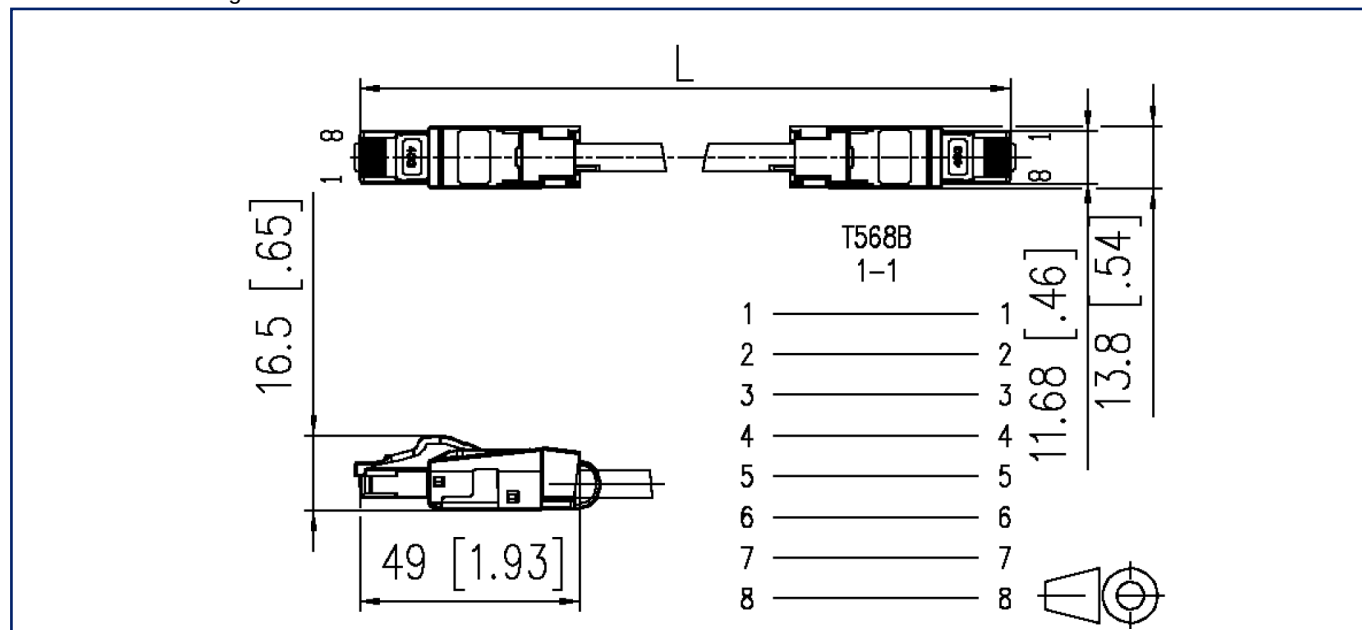
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Weitere Dokumentation siehe / additional documentation see /
documentation supplémentaire voir www.metz-connect.com