

P | Cabling

Data sheet

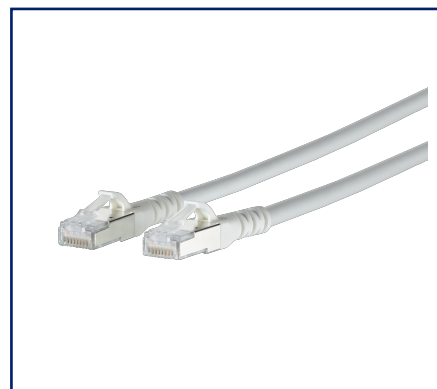
Patch cord CPR Fireprotect C6_A AWG26 white

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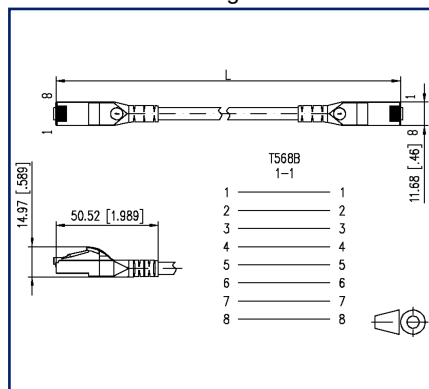
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2021/02/15

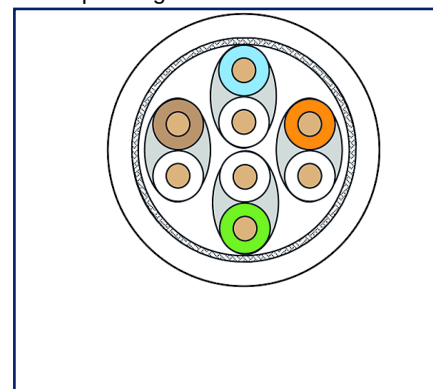
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- CPR optimized patch cord with Class Cca s1a d1 a1 flame retardant cable raw material
- fully shielded Cat.6 patch cable AWG 26_A
- especially suitable for unshielded and shielded Class E_A systems
- two shielded RJ45 connectors; 1:1 assignment
- cable type: S/FTP 4x2xAWG 26 PIMF
- cable sheath: LSHF (LSOH), white, halogen free
- suitable for 10 GBit/s Ethernet (IEEE 802.3an) up to 60 m
- Remote Powering (PoE, PoE plus and UPoE)
- suitable for VoIP, multimedia, wideband video
- coated, molded, snagless anti-bend sleeve with integrated lock hook protection

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Technical Data

General Data

Fields of application

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

Design

patch cord

Shielding

shielded

Transmission technology

Copper

Cable Type

S/FTP

Number of twisting elements

4

Twisting element

Pair

Wiring

1 - 1

Color

white

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.

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, solid wire (min. - max.)	
Conductor cross section, solid wire	0.138 mm ² - 0.138 mm ²
Conductor diameter, solid wire (bare copper)	0.42 mm - 0.42 mm
Conductor diameter, solid wire (bare copper)	0.017 in. - 0.017 in.
Core diameter (min. - max.)	
Core diameter (conductor with insulation)	0.95 mm - 1.05 mm
Core diameter (conductor with insulation)	0.037 in. - 0.041 in.
Cable sheath diameter (min. - max.)	
Cable sheath diameter mm	6.1 mm - 6.1 mm
Copper index	21 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 Ohm
Transfer impedance 1 MHz	5 mOhm/m
Transfer impedance 10 MHz	5 mOhm/m
Transfer impedance 30 MHz	10 mOhm/m
Transfer impedance 100 MHz	20 mOhm/m
Resistance unbalance	max. 2 %
Capacitance at 800 Hz	Nom. 44 nF/km
Nominal velocity of propagation	ca. 76 %
Delay skew	9 ns/100 m
Dielectric strength conductor-conductor (primarily)	max. 500 V DC
Dielectric strength conductor-conductor (secondary)	max. 500 V DC

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Technical Data

Electrical characteristics

Segregation classification	D
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Mechanical data

Tensile force	100 N
Fire load	0.12 kWh/m
Fire load	380 MJ/km
Position/mounting of latch - standard installation position	top
Bending radius without load	max. 24.6 mm
Bending radius without load	max. 48.8 in.

Materials and material properties

Material - Conductor	Cu (copper)
Material - Conductor Insulation	Foam-Skin Polyethylen
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)
Material - Main shield	Cu (copper) braid
Flame retardancy	yes
Halogen free	yes

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-20 °C - 60 °C
Temperature - Storage °F	-4 °F - 140 °F
Temperature - Operating °C	10 °C - 60 °C
Temperature - Operating °F	50 °F - 140 °F



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Technical Data

Environmental conditions

Temperature (min. - max.)

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

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

Approvals

CE yes

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

Common test methods for cables under fire conditions

Fire behaviour - class Class Cca s1a d1 a1

Test for vertical flame propagation for a single insulated
wire or cable IEC 60332-1

Measurement of smoke density of cables burning IEC 61034

Determination of acidity (by measuring the pH value)
and conductivity IEC 60754-2

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 7.0 EC001262



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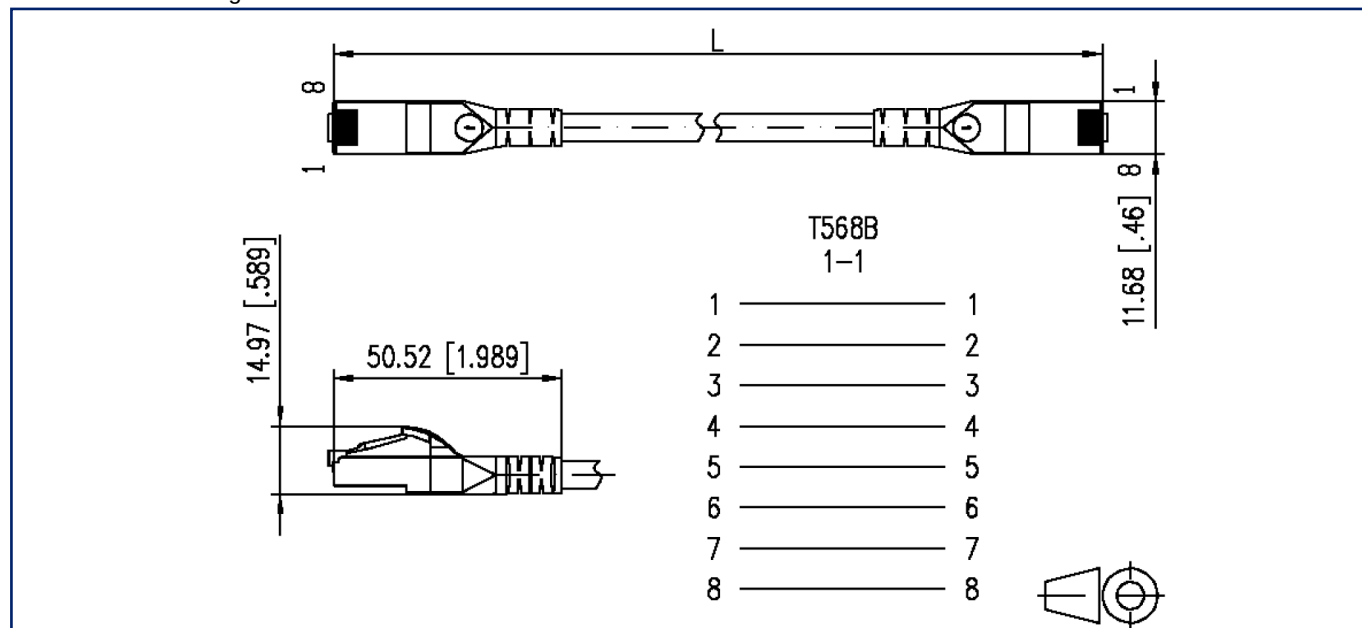
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