Data sheet

Patch cord SPE AWG 26/7 PUR 10.0 m

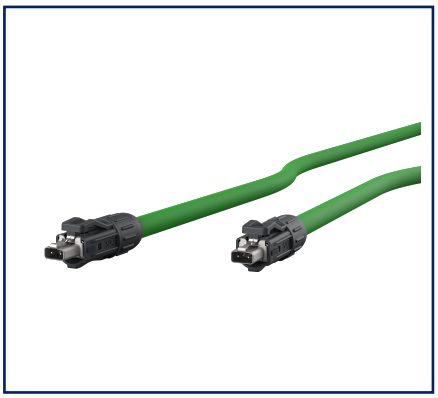
P/N 146222A005-E

EAN 4251394661155

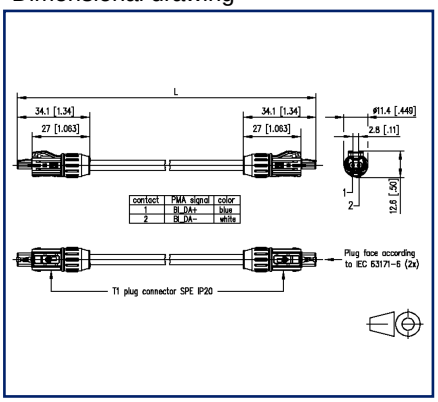
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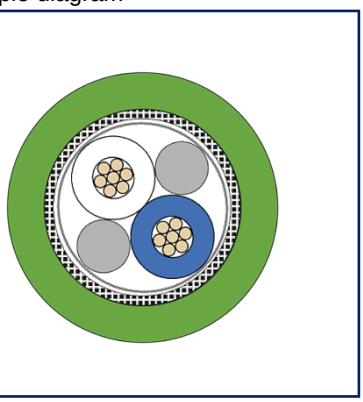
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- Patch cord SPE Industry IP20 shielded
- AWG 26/7 PUR 10.0 m green
- 2 x SPE T1 fully shielded
- suitable for PoDL
- for transmission rates up to 1000 Mbit/s

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Patch cord SPE AWG 26/7 PUR 10.0 m

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Technical Data

General Data

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
Cable length (m)	10 m
Cable length (ft)	32.81 ft
Cable	
Cable Type	S/FTP
Wiring	1:1
Wire color	white, blue
Color - cable jacket	green
Transmission properties	SPE
Connection 1	
Shielding	shielded
Dimension (L x W x H)	34.1 mm x 11.4 mm x 12.6 mm
Dimension (L x W x H)	1.343 in. x 0.449 in. x 0.496 in.
Connection 2	
Shielding	shielded
Dimension (L x W x H)	34.1 mm x 11.4 mm x 12.6 mm
Dimension (L x W x H)	1.343 in. x 0.449 in. x 0.496 in.

Connections/interfaces

Cable	
Conductor cross section AWG	26
Conductor diameter (mm)	0.5 mm
Conductor diameter (inch)	0.02 in.
Cable construction	1x2
Outer diameter cable jacket (mm)	4.7 mm
Outer diameter cable jacket (inch)	0.185 in.

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Technical Data

Connections/interfaces

Connection 1	
Connector type	SPE
Coding	T1
Type of plug contact, field side	Male (plug)
Cable feed arrangement, field side	straight
Number of poles	2
Pin Assignment	1:1
Latching lever protection	yes
Connection 2	
Connector type	SPE
Coding	T1
Type of plug contact, field side	Male (plug)
Cable feed arrangement, field side	straight
Number of poles	2
Pin Assignment	1:1
Latching lever protection	yes

Electrical characteristics

Cable	
Nominal voltage	300 V
Connection 1	
Current carrying capacity (at 60 °C)	3.5 A
Connection 2	
Current carrying capacity (at 60 °C)	3.5 A

Mechanical data

Cable	
torsional	no
drag chain suitable	no
Bending radius (fixed)	4 x Ø cable
Bending radius (moved)	8x Ø cable

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Technical Data

Mechanical data	
Connection 1	
Mechanical life	min. 750 mating cycles
Connection 2	
Mechanical life	min. 750 mating cycles
Transmission characteristics	
PoDL	IEEE 802.3bu (remote power via PoDL = Power over Data Line)
Transmission rate up to 10 Mbit/s	IEEE 802.3cg (10BASE-T1)
Transmission rate up to 100 Mbit/s	IEEE 802.3bw (100BASE-T1)
Transmission rate up to 1000 Mbit/s	IEEE 802.3bp (1000BASE-T1)
Materials and material properties	
Cable	
Material - Cable jacket	polyurethane (PUR)
Material - Wire insulation	Cell PE
Flame retardancy	yes, according to IEC 60332-1-2
Halogen free	yes
Oil resistance	yes, according to EN 60811-404
Connection 1	
Material - Contact	Copper alloy
Material - Contact surface	gold
Material - Connector housing	Plastics
Material - Cap nut	Plastics
Connection 2	
Material - Contact	Copper alloy
Material - Contact surface	gold
Material - Connector housing	Plastics
Material - Cap nut	Plastics
RoHS	compliant

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Technical Data

Environmental conditions	
Cable	
Temperature range (fixed)	-40 °C - 80 °C
Temperature range (fixed)	-40 °F - 176 °F
Connection 1	
	-40 °C
	-40 °F
Protection category (mounted)	IP20
Connection 2	
Protection category (mounted)	IP20
Standards/Regulations	
General requirements	IEC 63171-6: Plug-in face SPE, IEC 61156-12: SPE data cable for flexible application | in accordance with DIN EN 50155: 2018-05 (shock and vibration in accordance with DIN EN 61373-04: category 1, class B)
Degrees of Protection Provided by Enclosures	IEC 60529
Test for vertical flame propagation for a single insulated wire or cable	IEC 60332-1-2
Classifications	
ETIM 8.0	EC001262
ETIM 9.0	EC001262
ETIM 10.0	EC001262
Packing details	
Type of packaging	1 pc(s) / plastic bag

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.

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Counterpart

P/N	Designation
EJT61BH010-00G7	SPE PC board jack, angled

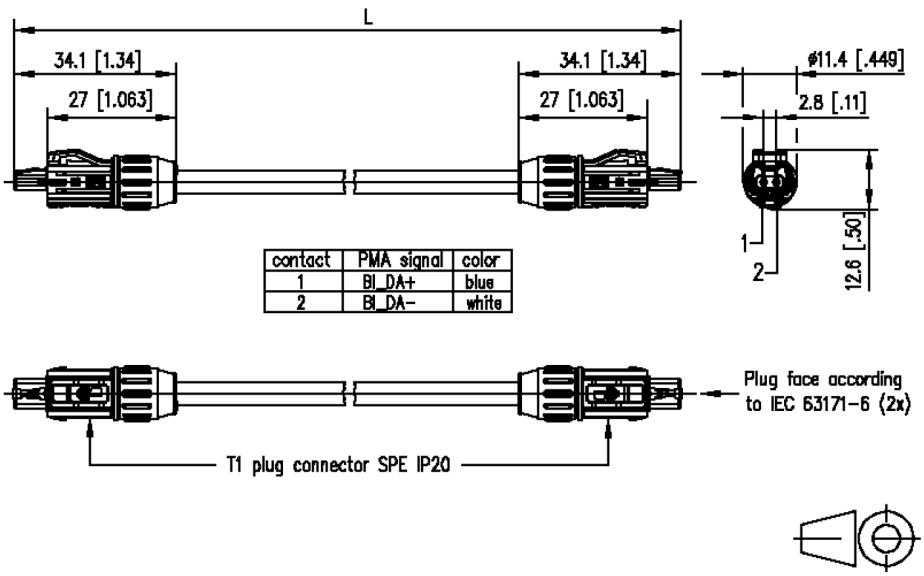
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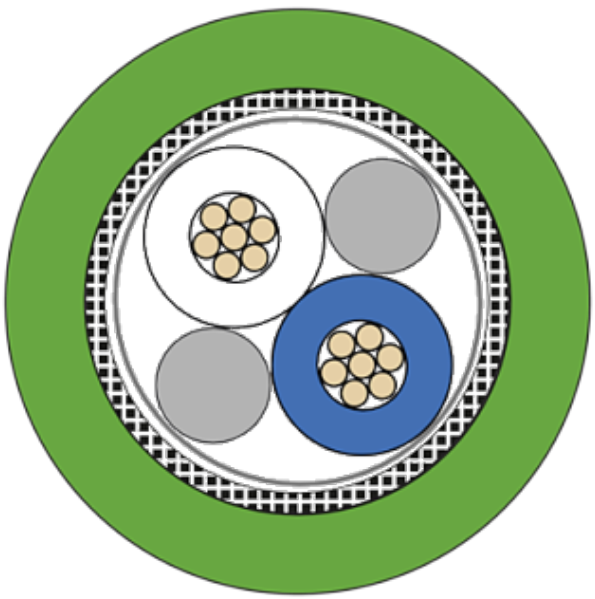
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