Data sheet

E-DAT Industry patch cord IP67 - RJ45 15.0 m

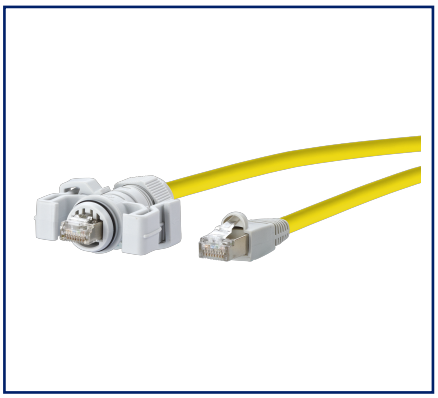
P/N 141N113K100A5

EAN 4250184131359

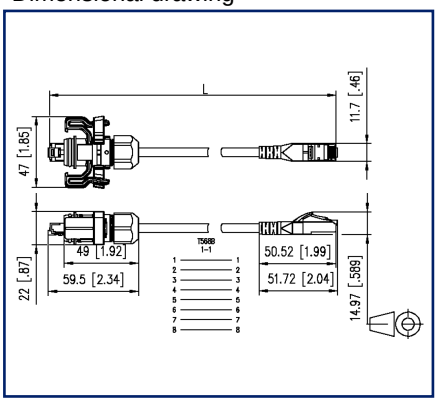
2025/09/18

Version: AP

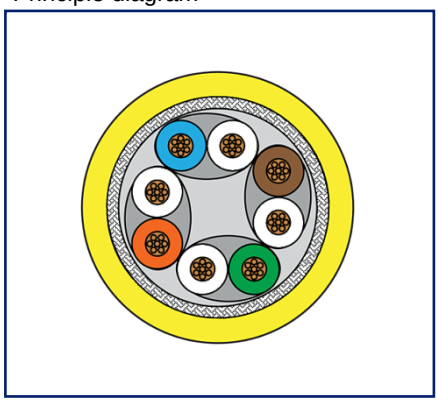
Illustrations



Dimensional drawing



Principle diagram



See enlarged drawings at the end of document

Product specification

- fully shielded Cat.6 patch cable AWG 26/7 S/FTP with PUR cable sheath
- 1:1 assignment
- compliance with class E according to ISO/IEC 11801, DIN EN 50173-1
- yellow cable, gray connector
- cable colors may differ
- for variant IP67 - IP67 the following lengths are available: 1, 2, 5, 10, 15 and 20 m
- for variant IP67 - RJ45 the following lengths are available: 1, 2, 3, 5, 10, 15 and 20 m
- for variant RJ45 - RJ45 the following lengths are available: 1, 2, 3, 5 and 7 m
- other lengths available

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Technical Data

General Data	
Fields of application	Industrial Ethernet
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)	59.5 mm x 47 mm x 22 mm
Dimension - Interface 1 (L x W x H)	2.343 in. x 1.85 in. x 0.866 in.
Dimension - Interface 2 (L x W x H)	50.52 mm x 14.97 mm x 11.7 mm
Dimension - Interface 2 (L x W x H)	1.989 in. x 0.589 in. x 0.461 in.
Cable length (m)	15 m

Transmission characteristics	
Category (ISO)	6
Class (ISO/IEC)	E
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
Transmission rate up to 1 GBit (Fast Ethernet)	IEEE 802.3ab

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Connections/interfaces	
Connector technology interface 1	IP67 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 mm²
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	5.8
Cable sheath diameter	0.228
Electrical characteristics	
Contact resistance	max. 20 mOhm
Insulation resistance	min. 500 MOhm
Mechanical data	
Life - Number of mating cycles	min. 750
Position/mounting of latch standard installation position	top
Bending radius without load	17.4 mm
Bending radius without load	0.685 in.
Bending radius with load	46.4 mm
Bending radius with load	1.827 in.

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Materials and material properties	
Material - Conductor	Cu (copper)
Material - Conductor Insulation	Foam-Skin Polyethylen
Material - Cable jacket	PUR
Material - Plug housing interface 1	PC UL94 V0
Material - Plug housing interface 2	PC UL94 V0
Material - Protective housing interface 1	PA 6.6 UL94 V0
Material - Contact interface 1	Ph-Br (phosphor bronze)
Material - Contact interface 2	Ph-Br (phosphor bronze)
Material - Contact finish interface 1	Ni + Au (nickel-gold)
Material - Contact finish interface 2	Ni + Au (nickel-gold)
Flame retardancy	yes
Halogen free	yes
Oil resistance	yes
RoHS	compliant

Environmental conditions	
Temperature (min. - max.)	
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
General information	This product is suitable for use in industrial environments inside buildings with IPxy protection class according to DIN EN 60529 specified in this data sheet. Not specified for outdoor applications.

Standards/Regulations	
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

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Technical Data

Classifications

ETIM 7.0	EC002599
ETIM 8.0	EC002599
ETIM 9.0	EC002599
ETIM 10.0	EC002599

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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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Accessories

P/N	Designation
130906-V3-I	Locking clamp for IP67 V6 plug, light gray
130906-V5-I	Locking clamp for IP67 V6 plug, yellow
130906-V6-I	Locking clamp for IP67 V6 plug, blue
130906-V7-I	Locking clamp for IP67 V6 plug, green
130906-V8-I	Locking clamp for IP67 V6 plug, red

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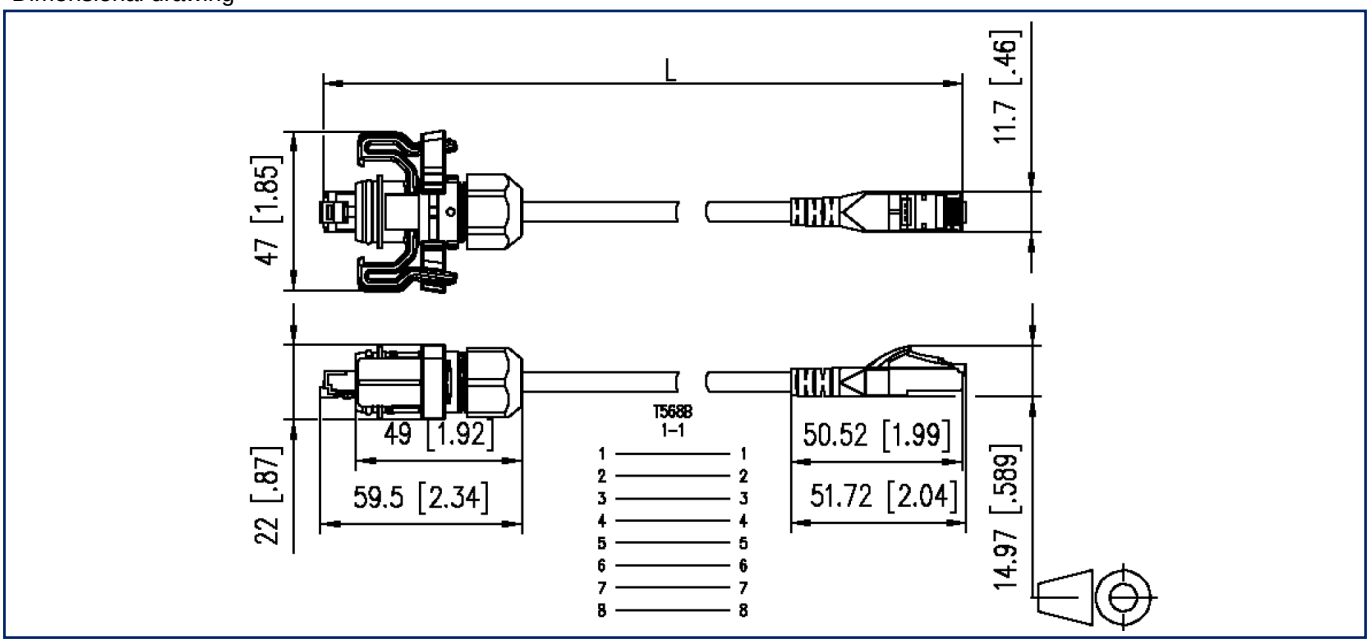

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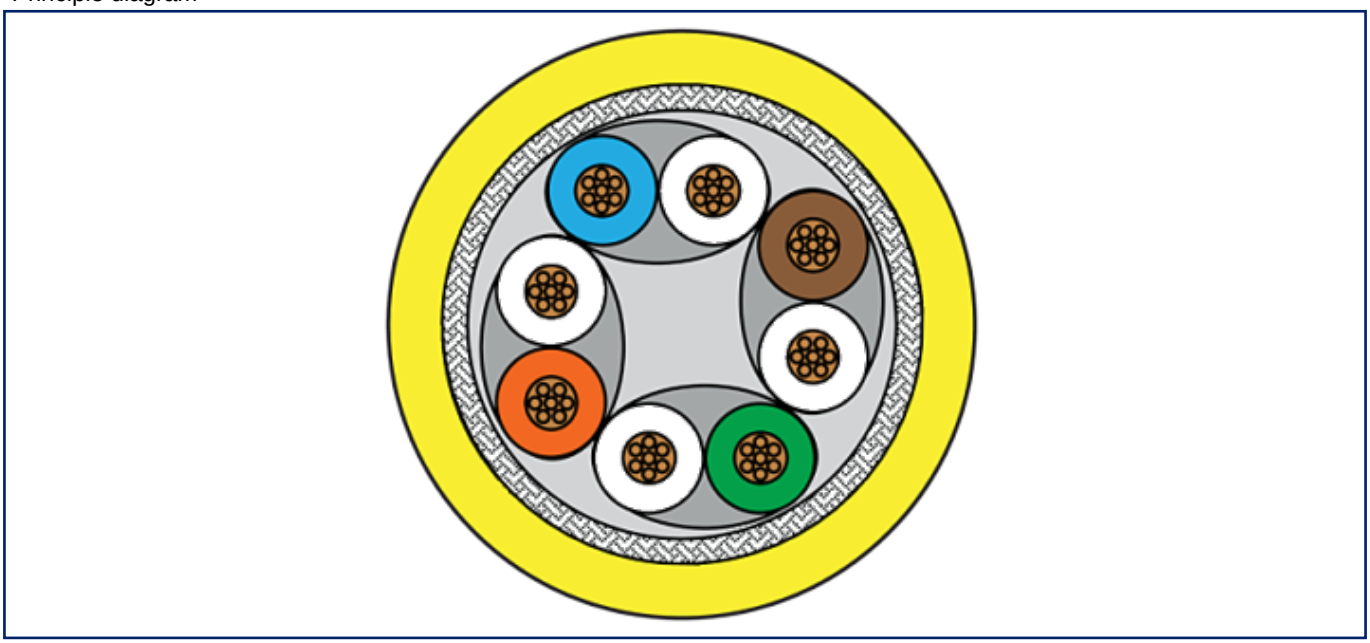

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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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