7433508927	DATA SHEET	LAPP
Valid from: 10.07.2026	EPIC® RJ6AC1-MC08C1LSXSB26LK20-R	

Description



- M12 Connector X-coded 8 Pin for Train application
- Cable end M12 male to cable end RJ45
- S/FTP CAT7 XL-LSZH shielded
- In accordance with EN45545-2 and EN50155

Product variations

Article no.	Article description	P1 - cable end	P2 - cable end	Length (mm)
7433508927	EPIC® RJ6AC1-MC08C1LSXSB26LK20-R	Connector, straight	RJ45	2000 +100/-20
7433508928	EPIC® RJ6AC1-MC08C1LSXSB26LK50-R	Connector, straight	RJ45	5000 +150/-30
7433508929	EPIC® RJ6AC1-MC08C1LSXSB26LK100-R	Connector, straight	RJ45	10000 +200/-50
743350xxxx	EPIC® RJ6AC1-MC08C1LSXSB26LKxxx-R	Connector, straight	RJ45	x

x = Alternative lengths are available on request. The data sheet also applies to different lengths.

Connector, general characteristics

Coding	X-Coding
Number of poles / pins	8
Product standard	IEC 61076-2-109
Shielded	YES
Protection class	IP 67
Pollution degree	3
Temperature rating (connected)	-40 up to +80°C
Temperature rating (mating)	-25 up to +80°C
Plugging cycles	≥ 100
Tightening torque	Recommended:0.4 Nm Max:0.8 Nm

Connector, electrical properties

Rated voltage	60V DC
Rated surge voltage	1500 V
Rated current	4 A
Insulation resistance	≥ 100 MΩ
Contact resistance of connector	≤ 5 mΩ

Connector, materials

Contacts- connector	Brass, gold plated
Insert	PA66+25GF
Over mold	TPU/ Black
Threaded part	Brass, nickel plated

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Cable, general characteristics

AWM Style	EN50288-2-2,IEC61156-6
Conductor cross-section	26 AWG
Number of conductors	White /Orange, Orange ,White/Green, Green, White /Brown, Brown, White /Blue, Blue
Core outer diameter	0.99 ±0.05mm
Pair shielding	YES
Coverage of Braid	80%
Jacket outer diameter	7.1±0.3mm
Temperature rating (fixed)	-40 up to +80°C
Temperature rating (flexible)	0 up to +50°C
Bending radius (fixed)	6 x OD min.
Bending radius (flexible)	8 x OD min
Flame resistance	IEC60332-3-25
Halogen-free	EN50267-2-1/ EN50267-2-2
Oil resistance	EN60811-2-1 10
Fuel resistance	EN60811-2-1 10
Acid resistance	EN60811-2-1 10
Alkaline resistance	EN60811-2-1 10
Ozone resistance	EN50305 7.4.2
Hot set test	EN 60811-2-1 9

Cable, electrical properties

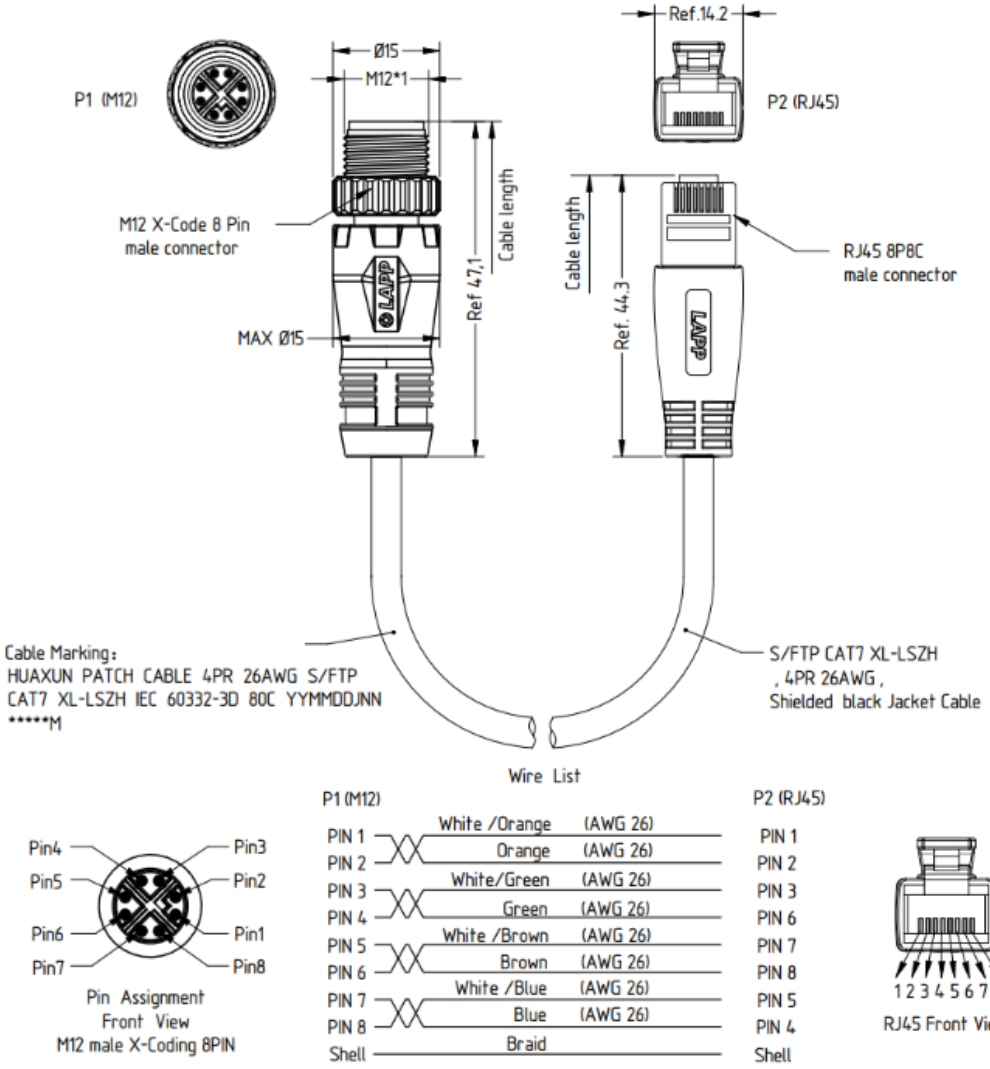
Rated voltage	300 V
Conductor resistance	MAX 145 Ω/km at 20°C
Insulation resistance	5000MΩ.KM
Data transmission category	CAT7

Cable, materials

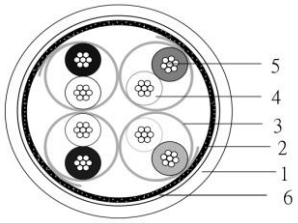
Conductor	Stranded tinned copper
Conductor insulation	Foam PE
Pair shielding	AL/Polyester
Braid	Tinned Copper
Jacket	XL-LSZH, Black

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Drawings



Cross section



1	Outer jacket
2	Braiding
3	AL-Foil
4	Insulation
5	Conductor
6	Wrap

Remark

Photographs are not to scale and do not represent detailed images of the respective products.

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