7433508916	DATA SHEET	LAPP
Valid from: 10.07.2026	EPIC® RJ5EC1-MC04C1LSDSB-22LK20-R	

Description



- M12 Connector D-coded 4 Pin and RJ45 for Train application
- Cable end M12 male to cable end RJ45
- S/FTQ CAT5E XL-LSZH shielded
- In accordance with EN45545-2 and EN50155

Product variations

Article no.	Article description	P1 - cable end	P2 - cable end	Length (mm)
7433508916	EPIC® RJ5EC1-MC04C1LSDSB-22LK20-R	Connector, straight	RJ45	2000 +100/-20
7433509036	EPIC® RJ5EC1-MC04C1LSDSB-22LK50-R	Connector, straight	RJ45	5000 +150/-30
7433508917	EPIC® RJ5EC1-MC04C1LSDSB-22LK100-R	Connector, straight	RJ45	10000 +200/-50
743350xxxx	EPIC® RJ5EC1-MC04C1LSDSB-22LKxxx-R	Connector, straight	RJ45	x

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

Connector, general characteristics

Coding	D-Coding
Number of poles / pins	4
Product standard	IEC 61076-2-101
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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C Cable, general characteristics

AWM Style	EN50288-2-2,IEC61156-6
Conductor cross-section	22 AWG
Number of conductors	1 White ,2 Yellow , 3 Blue, 4 Orange
Core outer diameter	1.49 ±0.05mm
Coverage of Braid	80%
Jacket outer diameter	7.0±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

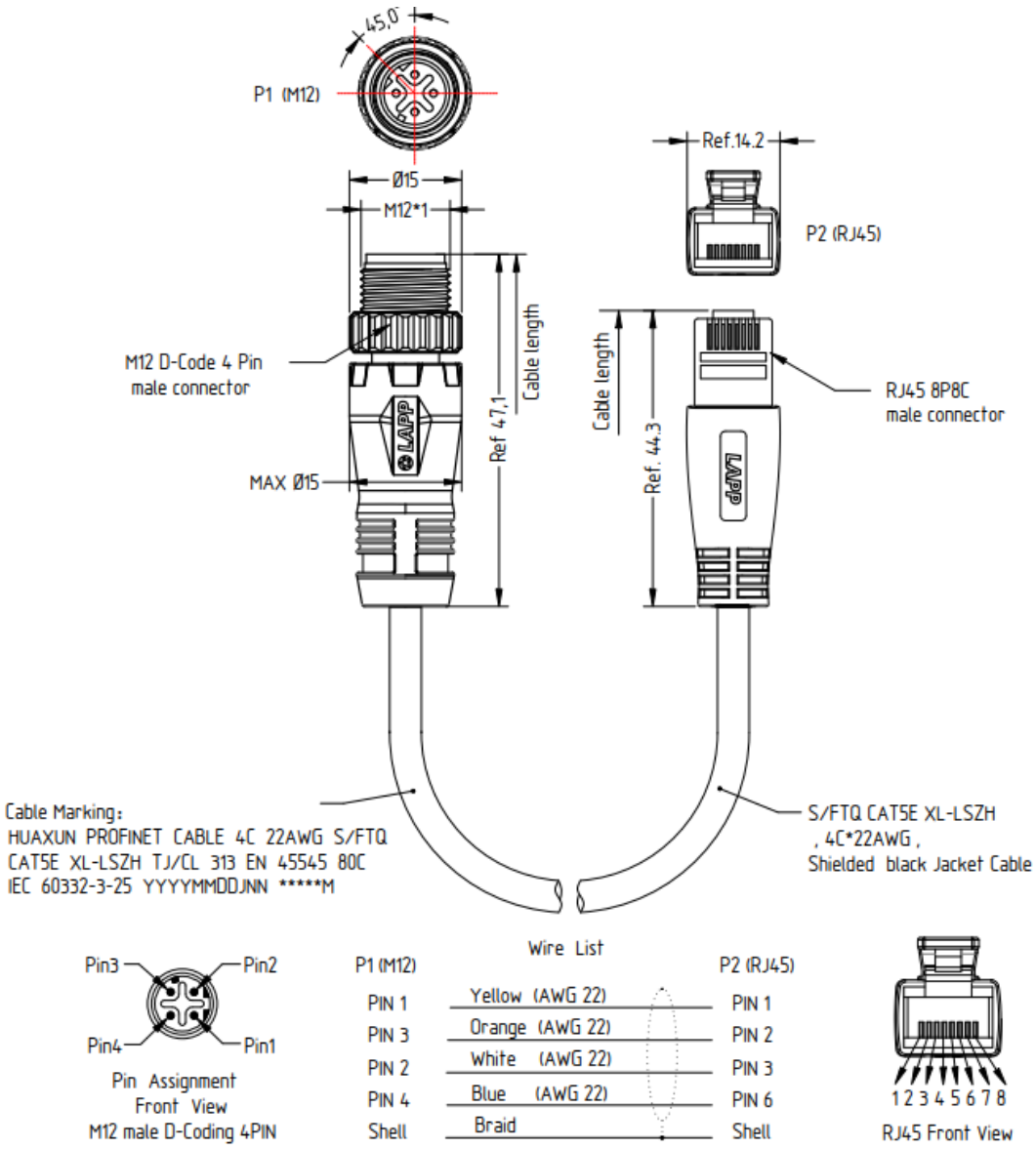
Rated voltage	300 V
Conductor resistance	MAX 57.4 Ω/km at 20°C
Insulation resistance	5000MΩ.KM
Data transmission category	CAT5E

Cable, materials

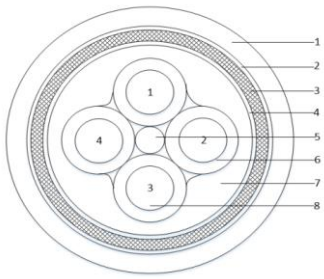
Conductor	Stranded tinned copper
Conductor insulation	PE
Braid	Tinned Copper
Jacket	XL-LSZH, Black

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Drawings



Cross section



1	Jacket
2	Flame retardant tape
3	Braid
4	AL-mylar
5	Filler
6	Insulation
7	Inner-jacket
8	Conductor

Remark

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

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