


7433501032	<b>DATA SHEET</b>	
Valid from: 19.02.2026	<b>EPIC® MC08C1LSAB24RK20</b>	

### Description

- Sensor/actuator PUR-cable, unshielded
- M12 Connector, A-coding, 8 Pin



### Product variations

Article no.	Article description	P1 - cable end	P2 - cable end	Length (mm)
7433501032	EPIC® MC08C1LSAB24RK20	connector, straight	Open end	2000 +100/-20
7433501033	EPIC® MC08C1LSAB24RK50	connector, straight	Open end	5000 +150/-30
7433501088	EPIC® MC08C2LSAB24RK20	coupling, straight	Open end	2000 +100/-20
7433501089	EPIC® MC08C2LSAB24RK50	coupling, straight	Open end	5000 +150/-30
7433502710	EPIC® MC08C3LSAB24RK20	connector, straight	coupling, straight	2000 +100/-20

Other lengths are available on request.

### Connector, general characteristics

Coding	A-Coding
Number of poles / pins	8
Product standard	IEC 61076-2-101 (2024)
Shielded	No
Protection class	IP 67
Pollution degree	3
Ambient temperature (connected)	-25 up to +80°C (Flexible) -40 up to +80°C (Fixed)
Plugging cycles	≥ 100
Tightening torque	Recommended:0.4 Nm Max:0.8 Nm


### Connector, electrical properties

Rated voltage	32V AC / DC
Rated surge voltage	800 V
Rated current	2 A
Insulation resistance	≥ 100 MΩ
Contact resistance of connector	≤ 5 mΩ

### Connector, materials

Contacts- Male connector	Brass, gold plated
Contacts- Female connector	Phosphor, gold plated
Insert	PA66+GF
Overmold	TPU/ Black
Threaded part	Brass, nickel plated
Sealing	FKM

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### Cable, general characteristics

AWM style	UL20549
Conductor cross-section	24 AWG (0.25mm <sup>2</sup> )
Number of conductors	8 (1. White 2. Brown 3. Green 4. Yellow 5. Grey 6. Pink 7. Blue 8. Red)
Core outer diameter	1.1 ±0.1mm
Jacket outer diameter	6.2±0.2mm
Cable weight	36.5 ± 3 kg/km
Temperature rating	-40 up to +80°C
Flammability test	H
Halogen-free	No
Oil resistance	Yes condition (60°C)
Oil resistant after (100±2%96H) IRM-902	Tensile Strength / Elongation >=50% of original

### Cable, electrical properties

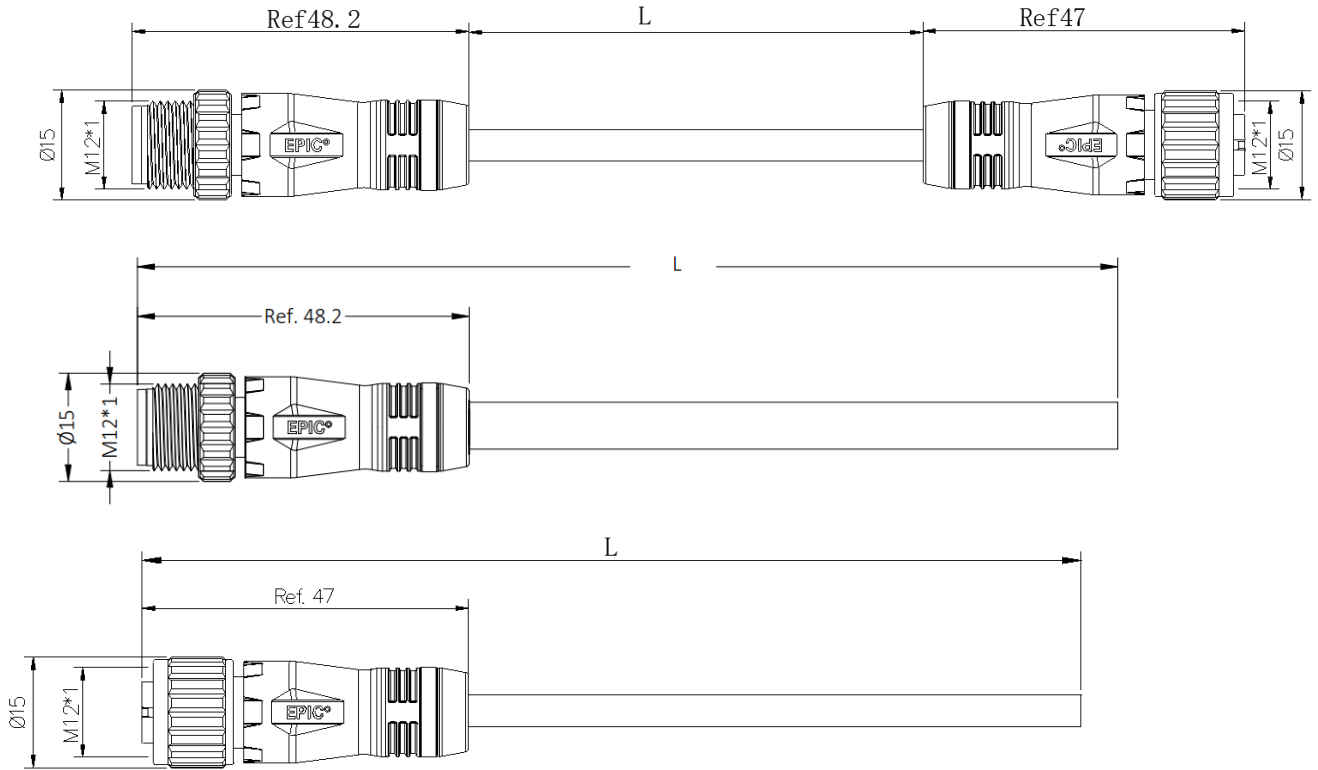
Rated voltage	300 V
Conductor resistance	87.6 Ω/km at 20°C
Dielectric strength	2000V / min.

### Cable, materials

Conductor	Bare copper
Conductor insulation	PP
Jacket	PUR, Black

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### Drawings



### Wire List

P1(male)		P2(female)	
PIN 1	White (AWG 24)	PIN 1	
PIN 2	Brown (AWG 24)	PIN 2	
PIN 3	Green (AWG 24)	PIN 3	
PIN 4	Yellow (AWG 24)	PIN 4	
PIN 5	Gray (AWG 24)	PIN 5	
PIN 6	Pink (AWG 24)	PIN 6	
PIN 7	Blue (AWG 24)	PIN 7	
PIN 8	Red (AWG 24)	PIN 8	

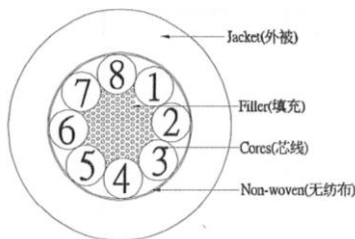


Pin Assignment  
Front View  
M12 male A-Coding 8PIN



Pin Assignment  
Front View  
M12 female A-Coding 8PIN

### Cross section



### Remark

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