


7433501017	DATA SHEET	
Valid from: 19.02.2026	EPIC® MC03C1LSAB22RK50	

Description

- Sensor/actuator PUR-cable, unshielded
- M12 Connector, A-coding, 3 Pin



Product variations

Article no.	Article description	P1 - cable end	P2 - cable end	Length (mm)
7433501017	EPIC® MC03C1LSAB22RK50	connector, straight	Open end	5000 +150/-30
7433501072	EPIC® MC03C2LSAB22RK20	coupling, straight	Open end	2000 +100/-20
7433501073	EPIC® MC03C2LSAB22RK50	coupling, straight	Open end	5000 +150/-30
7433502692	EPIC® MC03C3LSAB22RK20	connector, straight	coupling, straight	2000 +100/-20

Other lengths are available on request.

Connector, general characteristics

Coding	A-Coding
Number of poles / pins	3
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	250V AC / DC
Rated surge voltage	2500 V
Rated current	4 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	22 AWG(0.34mm ²)
Number of conductors	3 (1. Brown, 2. Blue, 3. Black)
Core outer diameter	1.2 ±0.1mm
Jacket outer diameter	4.5±0.2mm
Cable weight	25 ± 3 kg/km
Temperature rating	-40 up to +80°C
Halogen-free	No
Flammability test	H
Oil resistance	Yes condition (60°C)
Oil resistant after (100±2% 96 H) IRM-902	Tensile Strength / Elongation >=50% of original

Cable, electrical properties

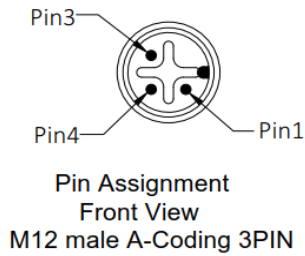
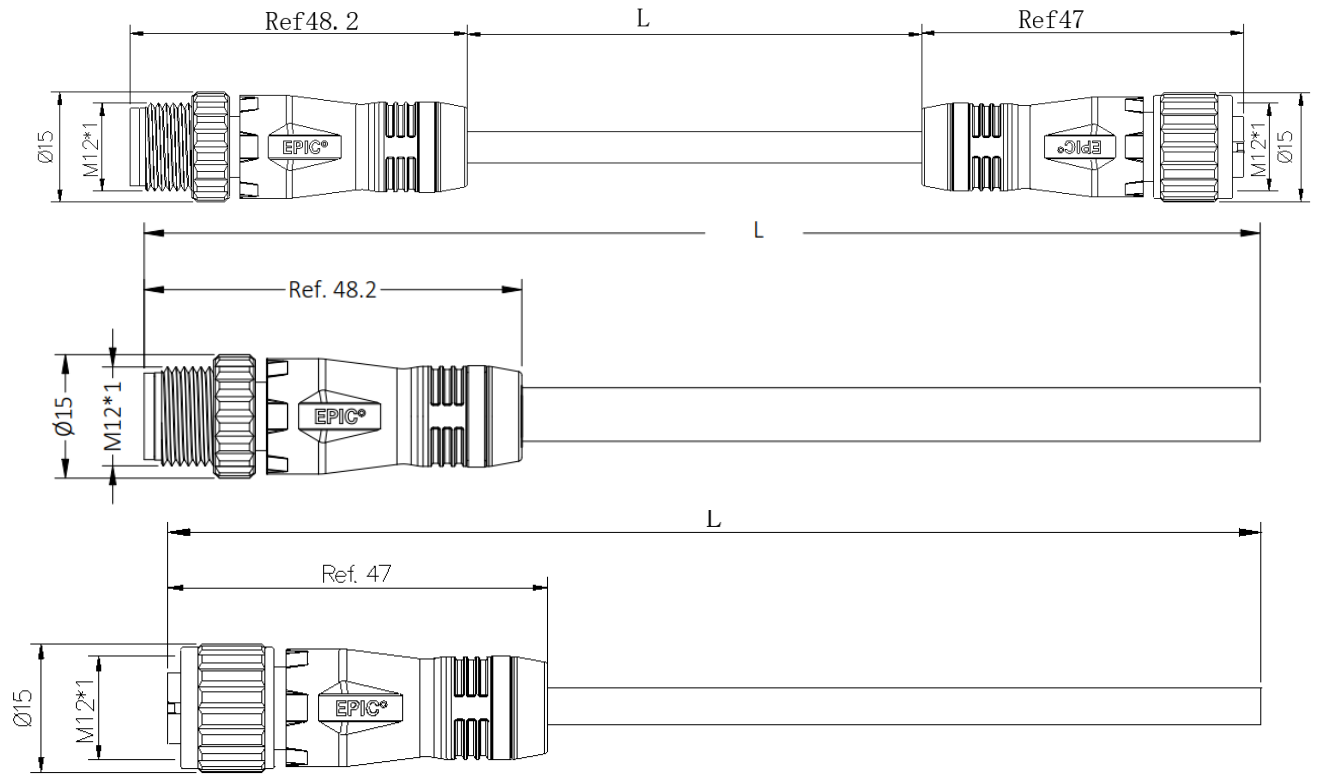
Rated voltage	300 V
Conductor resistance	MAX 55.4 Ω/km at 20°C
Dielectric strength	2000V / min.

Cable, materials

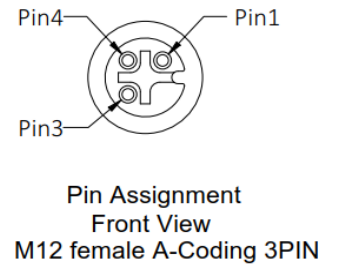
Conductor	Bare copper
Conductor insulation	PP
Jacket	PUR, Black

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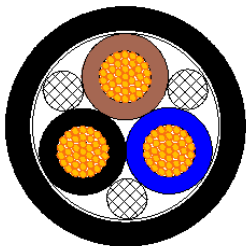
Drawings



P1(male)	Wire list	P2(female)
PIN 1	Brown (AWG 22)	PIN 1
PIN 3	Blue (AWG 22)	PIN 3
PIN 4	Black (AWG 22)	PIN 4



Cross section



Remark

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