



Control unit to sensor cable

Radar Sensor 100 SERIES



Technical data

Product properties

Product type	Sensor to sensor cable - Radar Sensor 100 SERIES
Number of positions	5
Application	Standard
Coding	A-code

Interfaces

Bus system	CANbus®
Signal type/category	CANbus®

Connector

Connector specification

Shielding	Shielded
Connector material	PVC
Connector color	Black
Locking nut material	Brass die-cast, nickel-plated
Locking mount	Screw connection
Tightening torque	0.4 Nm

Electrical specification

Rated voltage	48 V AC 60 V DC
Rated current	4 A

Head 1

Head design	Female
Head cable outlet	Angled
Head type	M12
Coding	A

Head 2

Head design	Flying leads
Head cable outlet	-
Head type	-
Coding	-

Cable / line

<i>Cable / line</i>	
UL AWM Style	-----
Cable type	CANbus®
Cable structure	2xAWG24 + 2xAWG24
Shielding	Shielded
Conductor cross-section (nom.)	2x 0.25 mm ² (Data pair) 2x 0.25 mm ² (Power pair)
Assembly, Data pair	Two cores twisted to a pair
Assembly, Power pair	Two cores twisted to a pair
Cable diameter	4.8 mm ± 0.2 mm
Jacket	PVC, CEI 2022
Jacket color	Black (RAL 9005)
Shield covering	Nominal optical coverage 65%
Bending radius	Flex ----- Fixed 6 x O.D.
Bending cycles	-----
Max speed	Na
Max acceleration	Na
Conductor	Stranded bare copper wire

<i>Electrical specification</i>	
Nominal voltage, cable	300 V AC
Test voltage C/C	4000 V x 1min
Nominal voltage U _N	48 V AC 60 V DC
Overvoltage category	III
Max conductor resistance (AWG24)	95.3 Ω/Km (IEC60344)
Nominal impedance	120Ω @20MHz
Insulation resistance	> 10 MΩ x Km (CEI EN 50288-7)

<i>Ambient conditions</i>	
Degree of protection	IP65 IP67
Ambient operating temperature	Flex ----- Fixed -20°C to +80°C
UV resistant	-----

<i>Chemical</i>	
Oil resistant	Yes, moderate resistance
Silicone, Pb, Cd, Hg, FCKW free	Yes
Halogen free	No

<i>Flame</i>	
Flame resistant	-----

<i>Approvals</i>	
CE	