



Reference: Q102503SC09
Country Ref.: Q102503SC09

CONTACT

Market information
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STANDARDS

Product UL and CSA approval

Sensor cables for extremely dynamic applications; PUR Jacket, shielded resistant to oils, flame retardant, halogen-free.



Halogen free
 Yes



Flame retardant
 IEC 60332-1-2; UL 1581 FT1



Oil resistance
 EN 50363-10-2



Storage temperature, range
 -50 ... 80 °C



Operating temp.
 -30 ... 80 °C

CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Construction type	(3x0,25)C
Insulation	TPM
Insulation colour	brown, black, blue
Lay Up	cores stranded with filler
Screen	Tinned copper braid, coverage ≥ 80%
Halogen free	Yes
Outer sheath	PUR
Sheath colour	Black - RAL 9005

Dimensional characteristics

Nominal outer diameter	5.0 mm
Approximate weight	33 kg/km
Copper content	16 kg/km

Electrical characteristics

Nominal Voltage	300 V
Test voltage	2000 V

Mechanical characteristics

Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s ²

Usage characteristics

Minimum dynamic operating bending radius	7.5 (xD)
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	EN 50363-10-2
Storage temperature, range	-50 ... 80 °C
Operating temperature, range	-30 ... 80 °C