



**Reference:** Q102504SC09  
**Country Ref.:** Q102504SC09

#### 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	(4x0,25)C
Insulation	TPM
Insulation colour	brown, black, blue, white
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	5.4 mm
Approximate weight	36 kg/km
Copper content	18 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 <sup>2</sup>

**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