



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 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 |