



Reference: 10580483

CONTACT

Market information
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Servo motor cables with enhanced performance, suitable for BOSCH REXROTH standard, for extremely dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant, halogen-free

STANDARDS

Product UL and CSA approval

UL Recognized / CSA

UL AWM 90°C, 1000V

CSA AWM I/II A/B 90°C, 1000V

Oil Resistance:

EN 50363-10-2, EN 60811-2-1

Flame Resistance:

IEC 60331-1-2; CSA FT1

Toxicity:

Halogen free

DESIGN

Conductor

Bare copper class 6

Core insulation

XLPE

Core stranding

Power cores stranded with fillers

Core identification

Power: U/L1/C/L+; V/L2; W/L3/D/L; GN/YE

Signal: Black numbered 5-6; 7-8

Shield

Pairs shield: Tinned copper braid, coverage ≥ 85%

Overall shield: Tinned copper braid, coverage ≥ 85%

Jacket

PUR

Colour:

Orange RAL 2003

(available also in Green RAL 6018)



Halogen free
Yes



Operating temp.
-30 ... 90 °C



Storage temperature, range
... °C



Oil resistance
EN 50363-10-2



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

CHARACTERISTICS**Construction characteristics**

Construction type	(4G0.75 + 2x(2x0.34))C
Conductor material	Bare copper class 6
Insulation	XLPE
Insulation colour	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/Gr Signal: Black num 5-6 7-8
Lay Up	power cores and control pairs stranded with filler
Taping	Non woven tape
Shielding	≥85% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

Dimensional characteristics

Nominal outer diameter	9.6 mm
Copper content	93 kg/km
Approximate weight	140 kg/km

Electrical characteristics

Rated Voltage U _o /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	50 m/s ²
Bending cycles	10 Mio.
Speed	300 m/min

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 90 °C
Storage temperature, range	... °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1