



Reference: 10553144
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EAN 13: 8054803122065

CONTACT

Market information
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Servo cables according to BOSCH REXROTH standard for extremely dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant, halogen-free

STANDARDS

Product UL and CSA approval

DESIGN

Conductor
 Stranded bare copper
Core insulation
 Polyolefin
Core stranding
 Power cores stranded with fillers
Core identification
 Power:
 U/L1/C/L+ V/L2
 W/L3/D/L- Ye/Gr
Signal:
 Black numbered 5-6 7-8
Shield
 Total shield:
 Tinned copper braid, coverage >= 85%
Jacket
 PUR
 Colour:
 Orange RAL 2003
 (available also in Green RAL 6018)

NORMATIVE REFERENCE

Normative reference
UL Recognized / CSA
 AWM 80°C - 600V/1000V
 AWM 80°C - 600V/1000V FT1

Oil Resistance:

En 50363-10-2

Flame Resistance:

IEc 60331-1-2; FT1; UL 1581; EN 50265-2-1

Toxicity:

Halogen free



Halogen free
 Yes



Operating temp.
 -30 ... 80 °C



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



Oil resistance
 EN 50363-10-2



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

CHARACTERISTICS

Construction characteristics

Construction type	(4G2.5 + 2x(2x1.0)C)
Conductor material	Stranded bare copper
Insulation	Polyolefin
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	13.0 mm
Copper content	234 kg/km
Approximate weight	300 kg/km

Electrical characteristics

Rated Voltage Uo/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 ... 80 °C
Storage temperature, range	-50 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1



Halogen free
Yes



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Oil resistance
EN 50363-10-2



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