



Reference: 10553151

Country Ref.: 13-EBY17Z08P-A5

EAN 13: 8054803121921

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

UL Recognized / CSA

UL AWM 80°C 1000V

CSA AWM I/II A/B 80°C 1000V

Oil Resistance:

EN 60811-2-1

Flame Resistance:

EN 50265-2-1, CSA FT1, UL 1581

Toxicity:

Halogen free

DESIGN

1. **Conductor:** Stranded bare copper
2. **Core insulation:** Polyolefin
3. **Core stranding:** Power cores stranded with fillers
4. **Core identification:**
Power: U/L1/C/L+; V/L2; W/L3/D/L-; GN/YE
Signal: Black numbered 5-6; 7-8
5. **Shield:**
Total shield: Tinned copper braid, coverage ≥85%
Pairs shield: ALU/PET foil + Tinned copper braid, coverage ≥85%
6. **Jacket:** PUR
7. **Colour:** Orange, RAL 2003
(available also in Green RAL 6018)



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	(4G1.0 + 2x(2x0.75)C)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	11.6 mm
Copper content	170 kg/km
Approximate weight	210 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 ... 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