



**Reference:** 10553139  
**Country Ref.:** 13-EBY05Z08P-A5  
**EAN 13:** 8054803122164

### 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	(4G16 + 2x(2x1.5)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	23.6 mm
Copper content	903 kg/km
Approximate weight	1150 kg/km

**Electrical characteristics**

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

**Mechanical characteristics**

Maximum acceleration	50 m/s <sup>2</sup>
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



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