



**Reference:** 10553138

**Country Ref.:** 13-EBY03Z08P-A5

**EAN 13:** 8054803122188

### 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	(4G25 + 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	27.6 mm
Copper content	1310 kg/km
Approximate weight	1630 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