



**Reference:** 10553141

**Country Ref.:** 13-EBY09Z08P-A5

**EAN 13:** 8054803122126

### 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  | (4G6 + (2x1.5)C + (2x1.0)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<br>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 | 18.1 mm   |
| Copper content         | 395 kg/km |
| Approximate weight     | 555 kg/km |

**Electrical characteristics**

|                                 |          |
|---------------------------------|----------|
| Rated Voltage U <sub>o</sub> /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 |