



**Reference:** 10553274  
**Country Ref.:** 13-EYS09Z06R-A5  
**EAN 13:** 8054803119461

### CONTACT

Market information  
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Servo cables with control pair for dynamic applications, PVC jacket, shielded, resistant to oils, flame retardant

### STANDARDS

**Product** UL and CSA approval

#### Normative references:

**UL recognised / CSA**  
 AWM 80°C - 600V/1000V  
 AWM 80°C - 600V/1000V FT1

#### Oil resistance

IEC 50363-4-1

#### Flame retardant

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

## CHARACTERISTICS

### Construction characteristics

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Construction type  | (4G6 + (2x1.5)C)C                                            |
| Conductor material | Stranded bare copper                                         |
| Insulation         | Polyolefin                                                   |
| Insulation colour  | Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/GN; Signal: Black - White |
| Lay Up             | power cores and control pairs stranded with filler           |
| Taping             | Non woven tape                                               |
| Shielding          | 80% tinned copper braid coverage                             |
| Outer sheath       | PVC                                                          |
| Sheath colour      | Orange RAL 2003                                              |

### Dimensional characteristics

|                        |         |
|------------------------|---------|
| Nominal outer diameter | 16.8 mm |
|------------------------|---------|



Operating temp.  
-15 ... 80 °C



Storage temperature, range  
-20 ... 80 °C



Oil resistance  
EN 50363-4-1



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

### Dimensional characteristics

|                    |           |
|--------------------|-----------|
| Copper content     | 364 kg/km |
| Approximate weight | 488 kg/km |

### Electrical characteristics

|                                 |          |
|---------------------------------|----------|
| Rated Voltage U <sub>0</sub> /U | 0.6/1 kV |
| Test voltage                    | 4000 V   |

### Mechanical characteristics

|                      |                     |
|----------------------|---------------------|
| Maximum acceleration | 15 m/s <sup>2</sup> |
| Bending cycles       | 5 Mio.              |
| Speed                | 180 m/min           |

### Usage characteristics

|                                          |                                    |
|------------------------------------------|------------------------------------|
| Field of application                     | Dynamic                            |
| Minimum dynamic operating bending radius | 10 (xD)                            |
| Operating temperature, range             | -15 ... 80 °C                      |
| Storage temperature, range               | -20 ... 80 °C                      |
| Oil resistance                           | EN 50363-4-1                       |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |



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Oil resistance  
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