



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

**Reference:** 13-EYS01Z06R-A5

**Country Ref.:** 13-EYS01Z06R-A5

### CONTACT

Market information  
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## CHARACTERISTICS

### Construction characteristics

|                    |  |
|--------------------|--|
| Construction type  | (4G50 + (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 | 34.0 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                           | 2299 kg/km                         |
| Approximate weight                       | 3040 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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