



Reference: 10580434

### CONTACT

Market information  
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Servo cables with enhanced performance, for dynamic applications, PVC jacket, shielded, resistant to oils, flame retardant.

### STANDARDS

**Product** UL and CSA approval

**UL recognised / CSA**  
UL AWM 90°C, 1000V  
CSA AWM I/II A/B 90°C, 1000V

**Oil resistance**  
High resistance

**Flame retardant**  
EN 60332-1-3, CSA FT1, UL 1581

### DESIGN

**Conductor**  
Bare copper class 6

**Core insulation**  
XLPE

**Core stranding**  
Power cores stranded with fillers

**Core identification**  
Power:  
U/L1/C/L+; V/L2; W/L3/D/L-; GN/YE;  
Signal: Black + White

**Shield**  
Total shield:  
Tinned copper braid, coverage ≥ 80%

Pairs shield:  
Tinned copper braid, coverage ≥ 80%

**Jacket**  
PVC

**Colour:**  
Orange RAL 2003



Operating temp.  
-15 ... 90 °C



Storage temperature, range  
-20 ... 90 °C



Oil resistance  
EN 50363-4-1



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

## CHARACTERISTICS

### Construction characteristics

Construction type	(4G2,5)C
Conductor material	Bare copper class 6
Insulation	XLPE
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	13.4 mm
Copper content	145 kg/km
Approximate weight	188 kg/km

### Electrical characteristics

Rated Voltage U <sub>o</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 ... 90 °C
Storage temperature, range	-20 ... 90 °C
Oil resistance	EN 50363-4-1
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1