

Servo cables for high demanding applications in terms of temperature and mechanical stress.

STANDARDS

Product UL and CSA approval

Servo cables suitable for high demanding applications in terms of temperature and mechanical stress. Flame retardant, oil resistant, PVC- and halogen free. Conform to Reach and RoHs. These cables can withstand operating temperatures up to 90°.



Reference: 10565716

CONTACT

Market information
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CHARACTERISTICS

Construction characteristics

Construction type	(4G16 + (2x1.5)C)
Conductor material	Bare copper
Insulation	Polyolefin-based compound
Insulation colour	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/GN; Signal: Black - White
Lay Up	The elements are assembled to form cable core, with fillers if necessary
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

Dimensional characteristics

Nominal outer diameter	23.1 mm
Copper content	890 kg/km



Halogen free
Yes



Operating temp.
-30 ... 90 °C



Storage temperature, range
-50 ... 90 °C



Oil resistance
EN 50363-10-2 , EN 60811-2-1



Flame retardant
IEC 60332-1-2 , UL Cable Flame , CSA , FT1

Dimensional characteristics

Approximate weight 1090 kg/km

Electrical characteristics

Rated Voltage U₀/U 0.6/1 kV

Test voltage 4000 V

Mechanical characteristics

Maximum acceleration 50 m/s²

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 ... 90 °C

Storage temperature, range -50 ... 90 °C

Oil resistance EN 50363-10-2 , EN 60811-2-1

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