



Reference: 10565738

CONTACT

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

STANDARDS

Product UL and CSA approval

Servo motor cables 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°.

CHARACTERISTICS

Construction characteristics

Construction type	(4G50)C
Conductor material	Bare copper
Insulation	Polyolefin-based compound
Insulation colour	Black - white marking U/L1/C/L + V/L2 W/L3/D/L - Yellow/Green
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

Conductor cross-section	- mm ²
Nominal outer diameter	33.4 mm



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

Copper content	2153 kg/km
Approximate weight	2700 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	50 m/s ²
Bending cycles	10 Mio.
Speed	300 m/min

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-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



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