SERVO CABLES WITH INNER JACKET ACC. TO LYNXEO MOTIONLINE® STANDARD WITH STAR QUAD

SERVO CABLE WITH INNER JACKET (4G1,5+(4x0,5)C)C

Reference: 49470760

CONTACT

Market information
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Servo cables for extremely dynamic applications with star quad MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Servo cables with star-quad for extremely dynamic applications; PUR jacket, TPE inner jacket, screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

Halogen free	Operating temp.	Storage temperature, range	Flame retardant	Oil resistance
Yes	**-30 ... 80 °C**	**-50 ... 80 °C**	**IEC 60332-1-2; UL 1581 FT1**	**DIN EN 50363-10-2 & DIN EN 60811-404**

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CHARACTERISTICS

Construction characteristics	
Construction type	(4G1,5+(4x0,5)C)C
Conductor material	Bending-resistant conductor with bare copper wires
Insulation	TPM with very low capacitance
Lay Up	power cores and control pairs stranded with filler
Insulation colour	Power: 3 black cores with marking, 1 core green-yellow Power: U/L1/C/L+ // V/L2 // W/L3/D/L- // Ye/Gn Star-quad: black - white - red - yellow
Individual screen	Signal shield: Tinned copper braid, coverage >=80%
Screen	Tinned copper braid, coverage ≥ 80%
Inner sheath	TPE compound, optimized for drag chain use
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes
Dimensional characteristics	
Outer Diameter	12.4 mm
Copper content	131 kg/km
Approximate weight	236 kg/km
Electrical characteristics	
Rated Voltage Uo/U	0.6/1 kV
Test voltage	4000 V
Mechanical characteristics	
Bending cycles	5 Mio.
Speed	300 m/min
Maximum acceleration	50 m/s²
Usage characteristics	
Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-50 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	DIN EN 50363-10-2 & DIN EN 60811-404