



Servo cables for extremely dynamic applications. MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Servo cables for extremely dynamic applications; PUR Jacket; screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

Reference: 49493061

Country Ref.: 6FX8008-1BB11-Plus

CONTACT

Market information
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Halogen free
Yes



Operating temp.
-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

CHARACTERISTICS**Construction characteristics**

| | |
|--------------------|---|
| Construction type | 4G1.5 C |
| Conductor material | Bending-resistant conductor with bare copper wires |
| Insulation | TPM with very low capacitance |
| Lay Up | Power cores stranded with filler |
| Insulation colour | Black - white marking U/L1/C/L + V/L2 W/L3/D/L - Yellow/ Green |
| Screen | Tinned copper braid, coverage ≥ 85% |
| Outer sheath | PUR |
| Sheath colour | Orange RAL 2003 |
| Halogen free | Yes |

Dimensional characteristics

| | |
|--------------------|-----------|
| Outer Diameter | 8.9 mm |
| Copper content | 80 kg/km |
| Approximate weight | 122 kg/km |

Electrical characteristics

| | |
|---------------------------------|----------|
| Rated Voltage U _o /U | 0.6/1 kV |
| Test voltage | 4000 V |

Mechanical characteristics

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

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 |