

SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD



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.

CONTACT

Market information
industryprojects.business@lynxeogroup.com



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

| | |
|--------------------|--|
| Conductor material | Bending-resistant conductor with bare copper wires |
| Insulation | TPM with very low capacitance |
| Lay Up | |
| 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 |

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/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 |

PRODUCT LIST

| Reference | Country Ref. | Name | Construction type | Outer Diameter [mm] | Copper content [kg/km] |
|------------|--------------|--|-------------------|---------------------|------------------------|
| ☎ 49403061 | - | SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD (4G1,5)C | 4G1.5 C | 12 | 95 |
| ☎ 49403261 | - | SERVO CABLES WITH LOW CAPACITANCE ACC. TO SEW® STANDARD (4G2,5)C | 4G2.5 C | 14.1 | 148 |

☎ = Make to order, 📦 = In stock,