

SERVO CABLES WITH INNER JACKET ACC. TO LYNXEO MOTIONLINE® STANDARD WITH CONTROL PAIR

SERVO CABLE WITH INNER JACKET (4G4 + (2X1,5)C)C



Servo cables for extremely dynamic applications with control pair MOTIONLINE® PREMIUM

STANDARDS

Product UL and CSA approval

Servo cables with control pair 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.

Reference: 49495260

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 | (4G4 + (2x1.5)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: Black - White marking U/L1/C/L+ V/L2 W/L3/D/L- Yellow/ Green; Signal: Black+White |
| Individual screen | Signal shield: Tinned copper braid, coverage $\geq 80\%$ |
| Screen | Tinned copper braid, coverage $\geq 80\%$ |
| Inner sheath | TPE compound, optimized for drag chain use |
| Outer sheath | PUR |
| Sheath colour | Orange RAL 2003 |
| Halogen free | Yes |

Dimensional characteristics

| | |
|--------------------|-----------|
| Outer Diameter | 16.2 mm |
| Copper content | 266 kg/km |
| Approximate weight | 397 kg/km |

Electrical characteristics

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

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 |