

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

SERVO CABLE WITH INNER JACKET (4G1,5 + (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:** 49495060

## 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 + (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     | 13.1 mm   |
| Copper content     | 143 kg/km |
| Approximate weight | 251 kg/km |

#### Electrical characteristics

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

#### Mechanical characteristics

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

#### 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 |