



Country Ref.: 13-EBE07Z06P-A1

### CONTACT

Market information  
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servo cables according to Lenze standard for dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant

### STANDARDS

Product UL and CSA approval

### DESIGN

#### Conductor

Bare copper

#### Core insulation

from 1 to 2,5 mm<sup>2</sup>:

Polyolefin

from 4 to 10 mm<sup>2</sup>:

Polyester

#### Core stranding

Power cores and signal pair stranded with fillers

#### Core identification

Power: Black num + Yellow/Green

Signal: Black + White

#### Shield

Total shield:

Tinned copper braid, coverage >= 80%

#### Jacket

PUR

Colour:

Orange RAL 2003

### NORMATIVE REFERENCES

#### Oil resistant

IEC 50363-4-1

#### Flame retardant

IEC 60331-1-2; FT1; UL 1581; EN 50265-2-1



Halogen free  
Yes



Operating temp.  
-5 ... 80 °C



Storage temperature, range  
-30 ... 80 °C



Oil resistance  
EN 50363-10-2



Flame retardant  
IEC/EN 60332-1-2; FT1; UL 1581 FT1

**CHARACTERISTICS****Construction characteristics**

Conductor material	Bare copper
Construction type	(4G10 + (2x1.0)C)C
Insulation	Polyester
Insulation colour	Power: Black num 1-3 + Green/Yellow; Signal: Black-White
Lay Up	power cores and control pairs stranded with filler
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

**Dimensional characteristics**

Outer Diameter	20.1 mm
Copper content	537 kg/km
Approximate weight	710 kg/km

**Electrical characteristics**

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

**Mechanical characteristics**

Bending cycles	2.5 Mio.
Speed	180 m/min
Maximum acceleration	10 m/s <sup>2</sup>

**Usage characteristics**

Field of application	Dynamic
Operating temperature, range	-5 ... 80 °C
Storage temperature, range	-30 ... 80 °C
Minimum dynamic operating bending radius	10 (xD)
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1