



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 mm²:
Polyolefin
from 4 to 10 mm²:
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
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

Electrical characteristics

Rated Voltage U _o /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 ²

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

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Insulation	Outer Diameter [mm]
☎ 10552707	13-EBE17Z06P-A1	(4G1,0 + (2x0,5)C)C	(4G1 + (2x0.5)C)C	Polyolefin	10
☎ 10552703	13-EBE15Z06P-A1	(4G1,5 + (2x0,5)C)C	(4G1.5 + (2x0.5)C)C	Polyolefin	11.5
☎	13-EBE13Z06P-A1	(4G2,5 + (2x0,5)C)C	(4G2.5 + (2x0.5)C)C	Polyolefin	13.2
☎	13-EBE11Z06P-A1	(4G4 + (2x1,0)C)C	(4G4 + (2x1.0)C)C	Polyester	14.6
☎	13-EBE09Z06P-A1	(4G6 + (2x1,0)C)C	(4G6 + (2x1.0)C)C	Polyester	16.8
☎	13-EBE07Z06P-A1	(4G10 + (2x1,0)C)C	(4G10 + (2x1.0)C)C	Polyester	20.1

☎ = Make to order, ☒ = In stock,