



CONTACT

Market information
industryprojects.business@lynx
ogroup.com

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 Uo/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,