



DATA SHEET	70388726
LAPPKABEL SERVO Cables LK – BLX Encoder-/ Resolver Cable	Valid up from : 01.12.2007

Application

LAPP LK BLX Encoder-/Resolver Cables, suitable for Berger Lahr* Power Drive Systems. The highly flexible Versions (P/N 70388726) are suitable in continuous flexing (i. e. Power Chains) at ordinary duty, as well as for static usage. Intended Usage Profile: Interconnection between Frequency, Converters and Servo Drives. Typical Fields of Applications: Industrial Machines, such as Machine Tools, Production Plants, Handling Systems, Body Press, Transfer Lines. USA: According NFPA 79 Ed. 2007 accepted only, when part of a listed assembly. Outside of the USA, these cables can be used in dry wet and damp locations, also into the open under respect of its recommended temperature ratings. All cables are increased resistant against oils and coolants, CFC- free, free of lacquer destructive substances. Made of halogen-free materials. Usage of these cables inside moving cable carriers respectively in motor drum guidance or under strain of more than 15N/mm² is not allowed.

Technical Datas: **70388726 Resolver Cable (5x2x0,25+1x2x0,50)**


Conductor 0,25mm²	Bare copper, 19-wire,
Conductors 0,5mm²:	Bare copper, 64 wires, extra fine wire standing acc. IEC 60228 Cl. 6
Insulation:	TPE-E, Thermoplastic Polyester Elastomer
Cond. ident code: 0,25mm² pairs:	Cond. Ident Code: yellow+green – pink+grey – white+brown – grey/pink+red/blue violet+black
0,5mm² pair:	Cond. Ident Code: blue+ red
Make-up:	Conductors and Pairs twisted together in short lay lengths to form cables core.
Screen	Overall screen: Braid made of tinned copper wires, coverage: ≥ 85% Stranded & tinned drain wire under braid: 28 x 0,15mmØ
Outer sheath:	PUR oil resistant, halogen free, flame retardant acc. IEC 60332.1-2, UL/CSA: FT 1, green (RAL 6018)
Rated Voltage:	300V (UL/CSA) 350V _{pp} (IEC)
Test voltage	1500 V
Temperature range	Flexible usage: -40°C up to +80° C (max. core temp) Static usage: -50°C up to + 80°C (max. core temp)
Outer Diameter:	Nom: 9,5mm
Minimum bending radius	Flexing use: 10 x cables outer diameter, Static use: 5 x cables outer diameter.
Oil resistance	Acc. IEC 60811-2-1
Approvals	UL AWM, CSA AWM I/II A/B

Prepared by: V. Huber 121207	Document: DB70388726EN_rev1	page 1 of 2
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Servo Cable Imprint Legend:

LAPP KABEL STUTTGART SERVO LK BLX DESINA 5x2x0,25+1x2x0,50 --- E63634  AWM 80°C 300V – 214533M CSA AWM I/II A/B 75°C 600V FT1 ROHS Art. Nr. 70388726

Electrical Characteristics:

0,25mm² Pairs:
Capacitance Cond/Cond: nom. 80 pF/m
Capacitance Cond/Shield: nom. 140 pF/m
Nominal Impedance: 80 Ohm at 1 MHz

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Prepared by: V. Huber 121207	Document: DB70388726EN_rev1	page 2 of 2
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