Power and control cables

LAPP GROUP

Power chain applications

Servo applications - power drive systems, approved

CSA UL RoHS ✓

Special Encoder and resolver cables
Compatible with various drive systems

Info
- Compatible with the encoder manufacturers listed below

■ Benefits
- Well-proven and reliable
- Multi-standard = fewer part varieties = cost savings

■ Application range
- Highly flexible encoder and resolver cables that are designed for use in power chains
- Servo drives and servo assemblies
- Plant engineering
- Particularly in wet areas of machine tools and transfer lines
- Assembly lines, production lines, in all kinds of machines

■ Product features
- Abrasion and cut-resistant
- Oil-resistant
- Flame-retardant according to IEC 60332-1-2 & CSA FT1

■ Norm references / Approvals
- For travel distances up to 10 m.
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
- UL File Nr. E63634

■ Product make-up
- Refer to data sheet (available upon request) for more details
- PUR outer sheath
- Outer sheath colour: see part table

■ Technical data

Classification
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable

General
More technical information of the above-mentioned servo cables are available upon request.

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
Suitable for Heidenhain					
70388718	4 x 2 x 0,14 + 4 x 0,5	8.5	black	48.0	92
70388719	3 x (2 x 0,14) + 2 x (0,5)	8.3	black	64.0	100
70388720	3 x (2 x 0,14) + 2 x (1,0)	9.1	black	64.0	115
70388721	4 x 2 x 0,14 + 4 x 0,5 + (4 x 0,14)	8.3	black	56.0	102
Suitable for ELAU					
70388722	3 x 2 x 0,25 + 2 x 0,5	8.4	green	44.0	95
Suitable for KEB					
70388724	3 x (2 x 0,14) + 2 x (0,5)	8.1	orange	64.0	100
Suitable for Berger Lahr					
70388726	5 x 2 x 0,25 + 2 x 0,5	9.5	green	56.0	120
Suitable for B & R					
70388727	3 x 2 x 24AWG	6.5	green	28.0	60
70388728	5 x 2 x 0,14 + 2 x 0,5	7.8	green	40.0	80
Suitable for FANUC					
70388730	5 x 0,5 + 2 x 2 x 0,18	7.6	green	94.0	169
70388731	2 x 0,5 + 4 x 2 x 0,22	7.6	green	72.0	120
70388732	3 x 2 x0,18 + 6 x 0,5	8.7	green	105.0	189
70388733	3 x 2 x 0,18 + 6 x 1,0	8.7	green	140.0	252
70388734	5 x 2 x 0,18 + 6 x 0,5	8.7	green	114.0	205
70388735	10 x 2 x 24 AWG	9.0	green	60.0	121

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
The drive systems (Heidenhain, Elau, KEB, Controles Techniques, Berger Lahr, B & R, Fanuc) are registered trademarks that are listed for comparison purposes only. DESINA® is a registered trademark of the German Machine Tool Builders' Association.
Cables for power chain use should only be handled on drums prior to installation.
Article numbers refer to genuine Lapp products.
Photographs are not to scale and do not represent detailed images of the respective products.

■ Similar products
- ÖLFLEX® SERVO FD 798 CP refer to page 102
- SERVO cables in acc. to SIEMENS® Standard 6FX 8PLUS refer to page 103
- SERVO cables in acc. to INDRAMAT® Standard INK refer to page 104

■ Accessories
- Circular connectors refer to page 608
- SKINTOP® EMC/Earthing refer to page 674
- SILVYN® CHAIN cable protection and guiding systems