



Special Encoder and resolver cables

Compatible with various drive systems

Info

- Fits to various encoder systems
- PUR outer sheath
- AWM certification for USA and Canada



Benefits

- Allows much faster speed and accelerations which increases the economic efficiency of the machines
- Multi-standard certification reduces part varieties and saves costs
- Increased durability under harsh conditions thanks to robust PUR outer sheath
- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

Application range

- Servo drives and servo assemblies
- In power chains or moving machine parts
- 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 notch-resistant
- Oil-resistant
- Flame-retardant according to IEC 60332-1-2 & CSA FT 1

Norm references / Approvals

- UL/CSA AWM Styles please refer to data sheet
- UL File No. E63634
- For use in power chains: Please comply with assembly guideline Appendix T3

Product Make-up

- Design according to specific OEM standard
- Refer to data sheet for more details
- PUR outer sheath
- Outer sheath colour: see part table

Technical data

Classification ETIM 5/6
 ETIM 5.0/6.0 Class-ID: EC000104
 ETIM 5.0/6.0 Class-Description: Control cable

General
 More technical information of the abovementioned servo cables are available upon request.

Article number	Number of cores and mm ² 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	92
70388719	3 x (2 x 0,14) + 2 x (0,5)	8.3	black	64	100
70388720	3 x (2 x 0,14) + 2 x (1,0)	9.1	black	64	115
70388721	4 x 2 x 0,14 + 4 x 0,5 + (4 x 0,14)	8.3	black	56	102
Suitable for ELAU					
70388722	3 x 2 x 0,25 + 2 x 0,5	8.4	green	44	95
Suitable for KEB					
70388724	3 x (2 x 0,14) + 2 x (0,5)	8.1	green	64	100
Suitable for Berger Lahr					
70388726	5 x 2 x 0,25 + 2 x 0,5	9.5	green	56	120
Suitable for B & R					
70388727	3 x 2 x 24AWG	6.5	green	28	60
70388728	5 x 2 x 0,14 + 2 x 0,5	7.8	green	40	80
Suitable for FANUC					
70388730	5 x 0,5 + 2 x 2 x 0,18	7.6	green	94	169
70388731	2 x 0,5 + 4 x 2 x 0,22	7.6	green	72	120
70388732	3 x 2 x 0,18 + 6 x 0,5	8.7	green	105	189
70388733	3 x 2 x 0,18 + 6 x 1,0	8.7	green	140	252
70388734	5 x 2 x 0,18 + 6 x 0,5	8.7	green	114	205
70388735	10 x 2 x 24 AWG	9.0	green	60	121

Unless specified otherwise, the shown product values are nominal values at room temperature. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100 kg. 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 and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® SERVO FD 798 CP refer to page 111
- SERVO cables in acc. to SIEMENS® Standard 6FX 8PLUS refer to page 113
- SERVO cables in acc. to INDRAMAT® Standard INK refer to page 115

Accessories

- Circular connectors
- EMC
- SILVYN® CHAIN cable protection and guiding systems