



LAPP 0036910 Screened Encoder Cable With PUR Outer Sheath Instructions

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LAPP 0036910 Screened Encoder Cable With PUR Outer Sheath



Screened encoder cable with PUR outer sheath for highly dynamic power chain application – certified **ÖLFLEX® SERVO FD 798 CP** – Screened encoder cable for high dynamic power chain application in harsh conditions with UL/CSA AWM certification

Info

- Extended Line Performance – Long travel lengths or high acceleration
- Fits to various encoder systems
- AWM certification for USA and Canada



FEATURES



-  • Halogen-free
-  • Mechanical resistance
-  • Oil-resistant
-  • Power chain
-  • Interference signals
-  • UV-resistant

Benefits

Allows much faster speed and accelerations which increases the economic efficiency of the machines Suitable for use with encoders & resolvers from leading manufacturers

Thin, optimised for weight and volume 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

Last Update (28.12.2021)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet. PN 0456 / 02_03.16

Wide temperature range for applications in harsh climatic environments

Application range

- Connecting cable between servo controller and encoder/resolver
- Connecting cable between servo controller and speed generators
- In power chains or moving machine parts
- Particularly in wet areas of machine tools and transfer lines
- Assembly lines, production lines, in all kinds of machines
- For indoor and outdoor use

Product features

Flammability:

- UL/CSA: VW-1, FT1
- IEC/EN: 60332-1-2
- Halogen-free materials
- Low-capacitance design
- Abrasion and notch-resistant
- Oil-resistant

Norm references / Approvals

- UL AWM Style 20236
- CSA AWM IA/B; IIA/B FT 1
- UL File No. E63634
- For use in power chains: Please comply with assembly guideline Appendix T3

Product Make-up

- Fine-wire or extra-fine wire, tinned-copper conductor
- Core insulation: polypropylene (PP)
- Cores (or core pairs) twisted in layers or bundles
- Refer to data sheet for more details
- Non-woven wrapping
- PUR outer sheath, green (RAL 6018)

Technical Data

- Classification ETIM 5: ETIM 5.0 Class-ID: EC000104
- ETIM 5.0 Class-Description: Control cable
- Classification ETIM 6: ETIM 6.0 Class-ID: EC000104
- ETIM 6.0 Class-Description: Control cable
- Core identification code: Details see datasheet ÖLFLEX® SERVO FD 798 CP
- Conductor stranding: Fine wire or extra-fine wire
- Minimum bending radius: Flexing: up from 7.5 x outer diameter
- Fixed installation: 4 x outer diameter
- Nominal voltage: IEC: 30 V
- UL & CSA: 30 V
- Test voltage: Core/core: 1500 V rms
- Core/screen: 750 V rms
- Temperature range: Flexing: -40°C to +90°C (UL/CSA: +80°C)
- Fixed installation: -50°C to +90°C (UL/CSA: +80°C)

Note

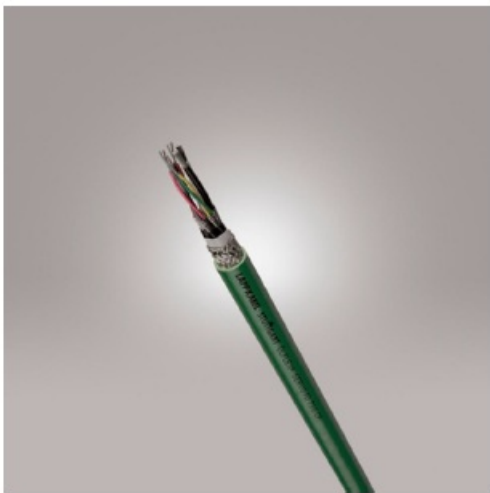
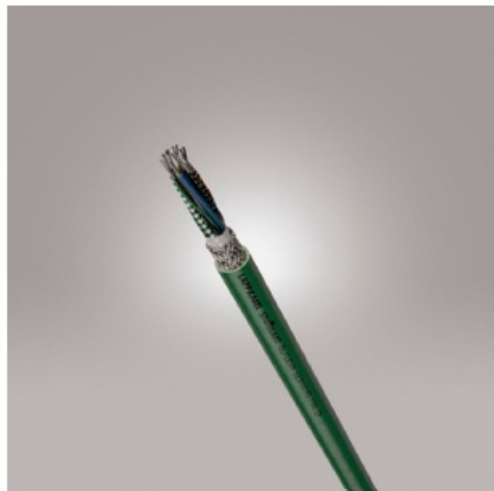
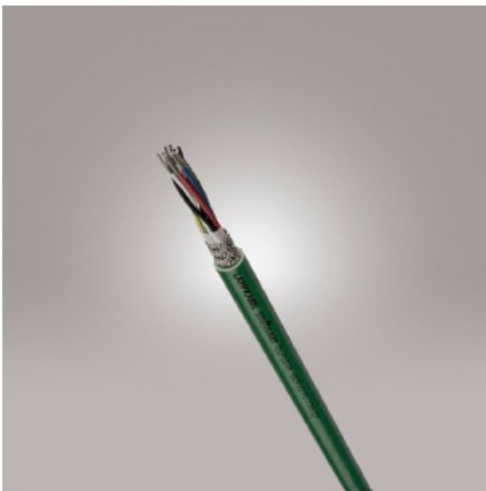
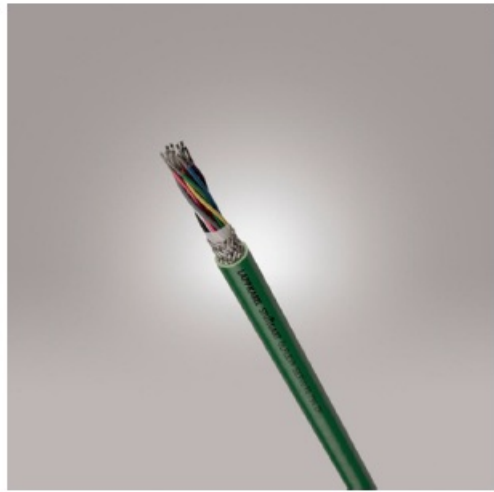
- Unless specified otherwise, the shown product values are nominal values at room temperature. Detailed values (e.g. tolerances) are available upon request.
- Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
- Please 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).
- DESINA – Decentralized and standardized installation technology for machine tools and manufacturing systems
- Photographs and graphics are not to scale and do not represent detailed images of the respective products.
- Prices are net prices without VAT and surcharges. Sale to business customers only.

PRODUCT INFORMATION

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO FD 798 CP				
0036910	(4x2x0,34+4x0,5)	8.9	79	125
0036949	(3x(2x0,14)+(2x(0,5)))	9.6	70	120
0036912	(3x(2x0,14)+4x0,14+2x0,5)	8.8	68	110
0036913	(3x(2x0,14)+4x0,14+2x0,5+4x0,22)	9.4	80	130
0036942	(2x2x0,18)	5.0	24	47
0036924	(4x2x0,18)	6.4	30	52
0036923	(8x2x0,18)	7.8	51	85
0036926	(12x0,22)	7.1	44	73
0036915	(4x2x0,25+2x1,0)	8.8	63	109
0036927	(4x2x0,25+2x0,5)	8.5	62	98
0036943	(4x1+4x2x0,14+(4x0,14))	9.7	103	175
0036944	(3x(2x0,25)+3x0,25+2x1,0))	9.3	96	162
0036929	(2x(2x0,25)+2x0,5)	8.7	46	98
0036930	(2x2x0,25+2x0,5)	7.3	38	72
0036914	(9x0,5)	8.8	71	110

0036946	3x(2x0,14)+(2x0,5)	10.0	68	142
0036941	3x(2x0,14)+(3x0,14)	9.2	57	125
0036945	4x(2x0,14)+2x(1)	11.4	92	115
0036916	(6x2x0,25+2x0,5)	10.3	67	121
0036917	(10x0,14+2x0,5)	7.7	41	82
0036918	(10x0,14+4x0,5)	8.1	54	98
0036928	(2x2x0,14+2x(2x0,14)+4x0,5+(4x0,14))	9.1	79	135
0036921	(4x2x0,25)	7.6	38	75
0036947	(5x2x0,25)	9.0	50	126
0036940	(6x2x0,25)	9.3	71	143
0036948	(5x2x22AWG)	8.7	75	109
0036920	(4x2x0,14+4x0,5)	8.2	51	95
0036911	(3x(2x0,14)+2x(0,5))	9.6	70	120
0036931	(3x(2x0,14)+2x(1))	9.1	74	137
0036932	(4x2x0,14+4x0,50+(4x0,14))	8.3	88	134
0036933	(3x2x0,25+2x0,5)	8.4	50	86
0036934	(5x2x0,25+2x0,5)	9.5	69	113
0036935	(3x2x24AWG)	6.5	36	70

Weight (kg/km)	101	110	113	70
Copper index (kg/km)	51	62	79.2	41
Outer diameter [mm]	7.8	7.6	8.7	6.2
Number of cores and mm ² per conductor	(5x2x0,14+2x0,5)	(2x2x0,18+5x0,5)	(5x2x0,18+6x0,5)	(10x2x28AWG)
Article number	0036936	0036937	0036938	0036939





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Documents / Resources

	LAPP 0036910 Screened Encoder Cable With PUR Outer Sheath [pdf] Instructions 0036910 Screened Encoder Cable With PUR Outer Sheath, 0036910, Screened Encoder Cable With PUR Outer Sheath, Cable With PUR Outer Sheath, Outer Sheath
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References

- [Lapp](http://www.lappkabel.de)
- [Lapp](http://www.lappkabel.de)
- [TCPDF](http://www.tcpdf.org)