High-end resolver/encoder cable, sreened
Thin, optimised for weight and volume
Also suitable for mobile outdoor use
Suitable for use with encoders & resolvers from leading manufacturers
To substitute 4 ÖLFLEX® SERVO FD product lines: -760CP/-760CP DESINA®/-770CP/ -770CP DESINA®

Halogen-free

Mechanical resistance

Oil-resistant

Power chain

Interference signals

UV-resistant

Info
Extended Line for heavy duty in power chain applications
EMC-compliant

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

Design
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)

Norm references / Approvals

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

Product features

Dynamic performance in power chains:Acceleration up to 50 m/s².Travel speeds up to 5 m/s.Travel distances up to 100 m.
Low-capacitance design
Halogen-free materials
Flame retardancy: UL/CSA: VW-1, FT1IEC/EN: 60332-1-2
Oil-resistant

Remark

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).
DESINA® is a registered trademark of the German Machine Tool Builders' Association
Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Details see datasheet ÖLFLEX® SERVO FD 798 CP
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Fine wire or extra-fine wire
Minimum bending radius:	Flexible use: 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)

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO FD 798 CP				
0036910	4x2x0,34+4x0,5	8.9	79.0	125
0036911	3x(2x0,14)+2x(0,5)	8.9	70.0	120
0036912	3x(2x0,14)+4x0,14+2x0,5	8.8	68.0	110
0036913	3x(2x0,14)+4x0,14+2x0,5+4x0,22	9.4	80.0	130
0036914	9x0,5	8.8	71.0	110
0036915	4x2x0,25+2x1,0	8.8	63.0	109
0036916	6x2x0,25+2x0,5	10.3	67.0	121
0036917	10x0,14+2x0,5	7.7	41.0	82
0036918	10x0,14+4x0,5	8.1	54.0	98
0036920	4x2x0,14+4x0,5	8.2	51.0	95
0036921	4x2x0,25	7.6	38.0	75
0036923	8x2x0,18	7.8	51.0	85
0036924	4x2x0,18	6.4	30.0	52
0036926	12x0,22	6.9	44.0	73
0036927	4x2x0,25+2x0,5	8.5	62.0	98
0036928	2x2x0,14+2x(2x0,14)+4x0,5+(4x0,14)	9.1	79.0	135
0036929	2x(2x0,25)+2x0,5	8.7	46.0	98
0036930	2x2x0,25+2x0,5	7.3	38.0	72