

## ÖLFLEX® SERVO 728 CY

Screened encoder cable with PVC outer sheath for static use - certified

ÖLFLEX® SERVO 728 CY - shielded rotary encoder cable for fixed installation or occasional flexing with UL/cUL AWM certification

### Info

Successor of ÖLFLEX® SERVO 720 CY  
Fits to various encoder systems  
Low-capacitance design



Oil-resistant



Interference signals

### Benefits

Suitable for use with encoders & resolvers from leading manufacturers  
Thin, optimised for weight and volume  
Multi-standard certification reduces part varieties and saves costs  
Easy to install

### Application range

Analogue and incremental encoders in servo drives  
For static and occasionally flexible use  
Measurement, control and electrical applications  
Industrial machinery and plant engineering  
Only for outdoor use within the indicated operating temperature range, with UV-protection

### Product features

Flammability:  
UL/CSA: VW-1, FT1  
IEC/EN: 60332-1-2

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## ÖLFLEX® SERVO 728 CY

Low attenuation ensures a longer transmission distance  
Oil-resistant

### Norm references / Approvals

UL AWM Style 2464  
cUL AWM I/II A/B FT1  
UL File No. E63634

### Product Make-up

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  
PVC jacket, green (RAL 6018)

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Details see datasheet ÖLFLEX® SERVO 728 CY
Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm <sup>2</sup>
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	IEC: 30 V UL & CSA: 300 V
Test voltage:	C/C: 2000 V C/S: 1000 V
Temperature range:	Occasional flexing: -5°C to +70°C (UL: +80°C) Fixed installation: -40°C to +80°C

### Note

Unless specified otherwise, the shown product values are nominal values. 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](http://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).

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.

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1020100	(10x0,14+2x0,5)	7.0	41	84
1020101	(10x0,14+4x0,5)	7.6	53	101
1020102	(15x0,14+4x0,5)	7.6	68	115
1020133	(4x2x0,14+4x0,5)	7.9	58	97
1020134	(7x2x0,14+2x0,5)	8.5	60	115
1020110	(4x2x0,34+4x0,5)	8.3	79	129
1020111	(3x(2x0,14)+4x0,14+2x0,5)	8.2	68	120
1020135	(3x(2x0,14)+4x0,14+2x0,5+4x0,22)	9.7	80	160
1020120	(4x2x0,25+2x0,5)	7.9	59	103
1020121	(4x2x0,25+2x1,0)	7.6	63	112
1020122	(4x2x0,14+4x1,0+(4x0,14))	9.0	110	155
1020130	(3x(2x0,14)+2x(0,5))	9.0	87	140
1020136	3x(2x0,14)+(2x0,5)	9.3	87	140
1020131	3x(2x0,14)+(3x0,14)	9.2	41	115
1020132	4x(2x0,14)+(2x1,0)	10.4	84	145
1020140	(5x2x0,25)	7.4	50	96
1020141	(6x2x0,25)	8.0	60	114
1020142	(5x2x22AWG)	7.9	71	115

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