



## ÖLFLEX® SERVO 728 CY

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



**i Info**

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

### 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
- 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

- 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

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® SERVO 728 CY</b>				
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
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

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.

### Similar products

- ÖLFLEX® SERVO FD 798 CP refer to page 111
- Special Encoder and resolver cables refer to page 117
- SERVO cables in acc. to SIEMENS® Standard 6FX 5008- (see online catalogue)

### Accessories

- EPIC® SIGNAL M23 Housings
- EPIC® SIGNAL M23 Inserts
- EPIC® SIGNAL M23 Contacts, tools, accessories