



ÖLFLEX® SERVO 720 CY

Resolver/encoder cable, screened

LAPP KABEL STUÏGART ÖLFLEX® SERVO 720 CY



Info

- Fits encoders from various manufacturers
- EMC-compliant

- Benefits**
- Thin, lightweight, reliable functionality
 - Total screening reduces interferences from nearby cables
- Application range**
- Analogue and incremental encoders in servo drives
 - Servo drives and servo assemblies
 - Measurement, control and electrical applications
- Product features**
- Easy to install
 - Fixed installation
 - Occasional flexing
 - In dry, damp or wet interiors
 - Flame-retardant according to IEC 60332.1.2

- Norm references / Approvals**
- Core based on VDE 0812/0285
 - Outer sheath based on VDE 0250/0285
 - This product is designed for appropriate use in a voltage range < 50 V AC or 75 V DC. Therefore, the EEC (Low Voltage Directive) does not apply
- Product make-up**
- Fine-wire strand made of bare copper wires
 - Core insulation: Based on PVC
 - Refer to "Technical Data" for the colour-codes
 - Core and pairs are twisted together
 - Tinned copper screen braiding (*with drain wire)
 - PVC outer sheath, grey (RAL 7001)

Technical data

Classification
 ETIM 5.0 Class-ID: EC000104
 ETIM 5.0 Class-Description: Control cable

Core identification code
 0036 170 pairs: rd/bk, bn/gn, gy/pk, bl/vt; single cores: wt, bn
 0036 175 cores 0.14: wt, bn, gn, ye, gy, pk, bl, rd, bk, vt; cores 0.5: wt, bn
 0036 177 cores 0.14: wt, bn, gn, ye, gy, pk, bl, rd, bk, vt; cores 0.5: wt, bn, bl, bk
 0036 178 cores 0.5: wh, bn, gn, ye; cores 0.14 DIN 47100 from grey
 0036 181 pairs 0.14: rd/bk, bn/gn, ye/vt, gy/pk; single core 0.5: wh, bl, wtgn, bngn
 0036 168 pairs: 0.14 gn/ye, rd/bl, gy/pk; single core 0.5: wt, bn

Peak operating voltage
 (not for power applications): 350 V Uss
 Nominal voltage: 48 V AC

Specific insulation resistance
 > 20 GOhm x cm

Conductor stranding
 Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm²

Minimum bending radius
 Occasional flexing: 20 x outer diameter
 Fixed installation: 6 x outer diameter

Test voltage
 C/C - C/S 2000 - 1000 V

Temperature range
 Occasional flexing: -5°C to +70°C
 Fixed installation: -40°C to +80°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO 720 CY				
0036170	4 x 2 x 0,25 + 2 x 1,0 *	8,9	70,8	128
0036175	10 x 0,14 + 2 x 0,5	7,9	39,3	88
0036177	10 x 0,14 + 4 x 0,5	8,0	51,1	94
0036178	15 x 0,14 + 4 x 0,5	8,7	59,7	125
0036181	4 x 2 x 0,14 + 4 x 0,5	8,1	48,8	95
0036168	3 x (2 x 0,14) + 2 x (0,5)	8,5	67,0	129

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).
 Photographs are not to scale and do not represent detailed images of the respective products.

- Similar products**
- ÖLFLEX® SERVO FD 798 CP refer to page 102
 - Special Encoder and resolver cables refer to page 106

- Accessories**
- EPIC® CIRCON M23 Housings refer to page 614
 - EPIC® CIRCON M23 Inserts refer to page 618
 - EPIC® CIRCON M23 Contacts, tools, accessories refer to page 624