ÖLFLEX® SERVO 720 CY

Screened encoder cable with PVC outer sheath for static use

ÖLFLEX® SERVO 720 CY - Screened encoder cable for fixed installation or occasional flexing for various drive manufactures

Info
Feedback signalling
Fits to various encoder systems
In EMC-sensitive environments

Interference signals

Benefits
Thin, lightweight, reliable functionality
Easy to install
Total screening reduces interferences from nearby cables

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
Flame-retardant according to IEC 60332.1.2

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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

Electroustic Ltd www.electroustic.co.uk +44 (0)1908 307200

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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, bare copper conductor
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 (similar RAL 7001)

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:	0036170 pairs: rd/bk, bn/gn, gy/pk, bl/vt; single cores: wt, bn 0036175 cores 0.14: wt, bn, gn, ye, gy, pk, bl, rd, bk, vt; cores 0.5: wt, bn 0036177 cores 0.14: wt, bn, gn, ye, gy, pk, bl, rd, bk, vt; cores 0.5: wt, bn, bl, bk 0036178 cores 0.5: wh, bn, gn, ye; cores 0.14 DIN 47100 from grey 0036181 pairs 0.14: rd/bk, bn/gn, ye/vt, gy/pk; single core 0.5: wh, bl, wtgn, bngn 0036168 pairs: 0.14 gn/ye, rd/bl, gy/pk; single core 0.5: wt, bn
Peak operating voltage:	350 V Uss (not for power applications) Nominal voltage: 48 V AC
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: 2000 V C/S: 1000 V
Temperature range:	Occasional flexing: -5 °C to +70 °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
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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PRODUCT INFORMATION

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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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	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	129

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