ÖLFLEX® SERVO FD 781 CY

Screened, low capacitive servo cable with PVC outer sheath for flexible power chain application

ÖLFLEX® SERVO FD 781 CY - Low capacitive and screened servo motor cables for mean load in power chain applications.

Info

Core Line Performance - Medium to increased travel lengths or acceleration
EMC-compliant

Oil-resistant

Power chain

Interference signals

Benefits

Well-proven and reliable
Low capacitance design enables longer cable connection between frequency converter and motor
Copper screening complies with EMC requirements and protects against electromagnetic interference

Application range

Connecting cable between Frequency converter and motor
In power chains or moving machine parts
For power circuits in machine cabling
In dry, damp or wet interiors with normal mechanical stress conditions
Only for outdoor use within the indicated operating temperature range, with UV-protection

Product features

Oil-resistant
Flame retardant acc. to IEC 60332-1-2

Last Update (22.06.2026)
©2026 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

ÖLFLEX® SERVO FD 781 CY

Low-adhesive surface

Norm references / Approvals

Based on VDE 0250 / 0285
For use in power chains: Please comply with assembly guideline Appendix T3

Product Make-up

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: polypropylene (PP)
Cores twisted in short lay lengths
Non-woven wrapping
Tinned-copper braiding
PVC outer sheath, orange (RAL 2003)

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:	Black with white numbers acc. to VDE 0293-334
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius:	Flexing: up from 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 600/1000 V
Test voltage:	Core/Core: 4 kV Core/Screen: 4 kV
Protective conductor:	G = with gn-ye protective conductor
Bending cycles & operation parameters:	See Selection Table A2-1 in the appendix of our online catalogue
Temperature range:	Flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless specified otherwise, the shown product values are nominal values at room temperature. 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.

Last Update (22.06.2026)
©2026 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP

ÖLFLEX® SERVO FD 781 CY

PRODUCT INFORMATION

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO FD 781 CY				
0036320	4 G 1.5	9.8	89	157
0036321	4 G 2.5	11.9	133.8	233
0036322	4 G 4.0	13.5	210.9	335
0036324	4 G 10.0	19.7	488.2	747
0036325	4 G 16.0	23.9	744.8	1109
0036327	4 G 35.0	33.3	1,565.4	2264
0036328	4 G 50.0	38.3	2,174.9	3090

Last Update (22.06.2026)
©2026 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16