



<b>DATA SHEET</b>	0036320
<b>ÖLFLEX-SERVO-FD<sup>®</sup> 781 CY</b>	valid from : 02.02.2002

## Application

ÖLFLEX-SERVO-FD<sup>®</sup> 781 CY are overall shielded, low capacitance, high flexible servo drive power cables, especially designed for usage in power chains, handling systems and similar continuously flex applications of industrial machines and machine tool industry. The insulation of these cables are made from TPE, based on polyolefin, the jacket from PVC with improved oil resistance. At room temperature the cables are generally resistant against some acids and caustics solutions. Recommended application includes usage in dry and wet locations. Outdoor use with UV-light protection and observation of the temperature range only. Usage on motor drum guidance or under a strain of more than 15N/mm<sup>2</sup> per conductor cross section is not allowed. ÖLFLEX-SERVO-FD<sup>®</sup> 781 CY conforms to DESINA standard. The screening braid is a protection against electrical interference.

## Technical data

Conductor	extra fine wire strand of bare copper, as per IEC 60228 (VDE 0295) class 6
Design	in acc. to HD 21.5 (VDE 0281-5)
Core Insulation	Polyolefine based TPE (Thermoplastic Elastomere)
Identification	as per EN 50334 (VDE 0293), black cores with white numbers, and green/yellow ground conductor
EMI protection	braid of tinned copper wires, optical coverage 80 % (nominal)
Outer sheath	PVC compund TM5 as per HD 21.1 (VDE 0281 part 1), higher performed according to LAPP specification, orange
Nominal voltage	600/1000 V
Test Voltage	4000 V AC
Temp. range	flexible use -5 up to +70° C max. conductor temperature.
Min. bendingradius	flexible use: 7,5 x cable diameter
Flame retardance	in as to IEC 60 332-1 (EN 50265-2-1, VDE 0482 part 265-2-1)
Oil resistance	in as per IEC 60227/ST9 (VDE 0472 part 803 test methode B)
EC directive	Conforms to EC Directive 73/23/EEC (Low Voltage Directive)

elaborated by: TE-K:	Document: DB0036320_2EN	page 1 of 1
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