

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SERVO FD 7DSL / ÖLFLEX® SERVO 7DSL	07.11.2014

Hybrid cables
Less cables and reduced connection costs
Only one connection line between drive
and motor-feedback system
Multi-standard approval reduces part varieties and saves costs
Easy to install



Oil-resistant



Interference signals

Info

Suitable for Hiperface DSL® motor-feedback systems
EMC-compliant

Application range

Power drive systems in automation engineering
Connecting cable between servo controller and motor
In power chain applications (FD version) or for fixed installation
For use in assembling & pick-and-place machinery
Particularly in wet areas of machine tools and transfer lines

Product Make-up

Design for highly flexible use: Polypropylen (PP) core insulation, PUR outer sheath, halogen-free
Design for fixed installation: Polypropylen (PP) core insulation, PVC outer sheath
Refer to data sheet (available upon request) for more details
Outer sheath colour: Orange (RAL 2003)

Norm references / Approvals

UL-AWM-Style 21223 (highly flexible use)
UL-AWM-Style 2570 (fixed installation design)
cRU AWM I/II A/B FT1
Designs for power chain use: Travel distances up to 20m (horizontal)
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
UL File No. E63634

Product Management	Document: LAPP_PRO218471EN.pdf	1 / 3
--------------------	--------------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SERVO FD 7DSL / ÖLFLEX® SERVO 7DSL	07.11.2014

Product features

Low-adhesive surface
 Flame retardancy:
 UL/CSA: VW-1, FT1
 IEC/EN: 60332-1-2
 Oil-resistant
 Low-capacitance design

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths HIPERFACE DSL® is a registered trademark of SICK AG. Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Power cores: black with marking U/L1/C/L+ V/L2 W/L3/D /L- GN/YE protective conductor Signal pair: white, blue Control pair (optional): black with white numbers 5,6
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Minimum bending radius:	For flexible use: 7.5 x outer diameter Fixed installation: 5 x outer diameter
Nominal voltage:	Power and control: IEC: U ₀ /U: 600/1000 V UL: 1000 V Signal pair: 300 V
Test voltage:	Power and control: 4 kV Signal pair: 1kV
Protective conductor:	G = with GN-YE protective conductor
Temperature range:	Flexing: -40°C to +90°C (UL: +80°C) Fixed installation: -40°C to +70°C (UL: +80°C)



Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
Hybrid cables for power chain applications				
1023275	4 G 1,5 + (2 x 22AWG)	11.2	115.0	198
1023276	4 G 2,5 + (2 x 22AWG)	12.6	160.0	269
1023277	4 G 4 + (2 x 22AWG)	14.0	218.0	343
1023278	4 G 1,5 + (2 x 1,0) + (2 x 22AWG)	13.2	152.0	256
1023279	4 G 2,5 + (2 x 1,0) + (2 x 22AWG)	14.0	195.0	313
1023280	4 G 4 + (2 x 1,0) + (2 x 22AWG)	15.8	268.0	407
Hybrid cables for fixed installation				
1023290	4 G 1,5 + (2 x 22AWG)	11.2	110.0	194
1023291	4 G 2,5 + (2 x 22AWG)	12.6	148.0	253
1023292	4 G 4 + (2 x 22AWG)	14.0	208.0	332
1023293	4 G 1,5 + (2 x 1,0) + (2 x 22AWG)	13.2	140.0	250
1023294	4 G 2,5 + (2 x 1,0) + (2 x 22AWG)	14.0	185.0	285
1023295	4 G 4 + (2 x 1,0) + (2 x 22AWG)	15.8	248.0	390