

## ÖLFLEX® SERVO 3D 7DSL

Low capacitive hybrid servo cable with PUR outer sheath for three-dimensional robotic application - certified

ÖLFLEX® SERVO 3D 7DSL - hybrid cable for three-dimensionally moved robotic applications, UL/cUL AWM.

One cable solution for servo drives

Suitable for Hiperface DSL® and SCS open link interfaces

3D - Simultaneous bending and torsion



Lapp



(23.12.2023)

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data sheet

PN 0456 / 02\_03.16

# ÖLFLEX® SERVO 3D 7DSL



가 가 가

Only one connection line between drive and motor-feedback system. Instead of the encoder cable a specific integrated data pair takes over the signalling.

PUR

, ,

In industrial robots, moving machine parts or drag chains

-

:

UL/CSA: VW-1, FT1.

IEC/EN: 60332-1-2

UL-AWM- 21223( )

UL-AWM- 2570 ( )

cRU AWM I/II A/B FT1

UL File No. E63634

500

: 가 T3

Extra-fine-wire, bare copper conductor (power cores and control pair) and 19-wire, tinned copper conductor (data pair)

Core insulation: Polypropylene (PP) respectively fluorinated ethylene propylene (FEP)

Power cores with screened control pair and data pair twisted together

Special tape wrapping

(DP): -

PTFE

, (RAL 9005 )

ETIM 5:

ETIM 5.0 Class-ID: EC000104

ETIM 5.0

ETIM 6:

ETIM 6.0 Class-ID: EC000104

ETIM 6.0 Class :

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# ÖLFLEX® SERVO 3D 7DSL

:	:	: U/L1/C/L+ ; V/L2; W/L3/D/L-;
		GN/YE
		Data pair: white, blue
		Control pair: black, white
:	:	VDE 0295 class 6, IEC 60228 class 6 가
		DSL data pair: 19-wired
:	:	± 180 °/m
	:	: 10 x
	:	: 5 x
:		Power and control cores:
		IEC: U0/U: 600/1000 V
		UL: 600 V
		Data pair UL: 600 V
:		Power and control: 4 kV
		Data pair: 1kV
:		G = GN/YE
:		: -40°C +80°C
		: -50°C +80°C

www.lappkabel.de/en/cable-standradlengths ( : ) 가  
HIPERFACE DSL® SICK AG

가 VAT 가 가 .

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Article number	(CORE) / (mm <sup>2</sup> )	(mm)	(kg/km)	(kg/km)
1023351	4 G 0,5 + (2 x 0,25) + (2 x 26AWG)	9.4	70	130
1023352	4 G 1,5 + (2 x 1,0) + (2 x 22AWG)	13.3	152	276
1023353	4 G 2,5 + (2 x 1,0) + (2 x 22AWG)	14.4	195	326

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