

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



(24.04.2024)

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data sheet

PN 0456 / 02_03.16

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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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:	:	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 ²)	(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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