

Technical data sheet · According to SIEMENS-6FX5002 standard

Base cable



Servo cable assemblies with brake pairs for fixed installation

Identification	Type	6FX5002-5DA02-1BA0
	Part-No.	198471.1000

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Base cable for Siemens servo drives • For flexible applications without continuous flexing
Characteristics	<ul style="list-style-type: none"> • PVC Flame-retardant, self-extinguishing • Silicone free • RoHS-compliant

Technical data

Number of strands/cross-section	(4G2.5+(2×1.5))	
OD Ø	14.1 ca. mm	
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-	
Length	10.0 m	
UL approval	cURus	
Nominal voltage	1000 V 80 °C	
Voltage	U ₀ /U	0.6/1 kV
Test voltage	4000 V	
Insulation resistance	min. 500 MΩ × km	
Temperature range	moving	-5 °C to +70 °C
	fixed	-25 °C to +70 °C
Minimum bending radius	moving	D × 10

09.08.2016 – Subject to technical modification

Part-No. 198471.1000

USA: LUTZE INC.

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Burning behavior	fixed Flame-retardant according to VDE 0482 T 265-2, DIN EN 50265-2, IEC 60332-1, UL 1581 section 1080 VW-1, CSA FT 1	D × 6
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.	

Construction

Conductor structure	Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5	
Conductor insulation	Special TPM/PP-conductor insulation, UL	
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-	
Ground conductor	green/yellow according to DIN EN 50334	
Control pair	Control pair color-coded (bk, wh) Control pair with braided shield and foil tape	
Banding	Fleece wrap over cable core	
Overall shield	Braid from tinned copper wire, optical coverage ≥ 85 %	
Jacket color	orange RAL 2003	

General

Note	* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only	
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

Symbols



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