

Technical data sheet · Acc. to SIEMENS-6FX5002 standard

Base cable



PVC servo cable assemblies with brake cores for fixed wiring

Identification	Type	6FX5002-5DN01-1BA0
	Part-No.	198340.1000
Use/Area of application		
Application	<ul style="list-style-type: none"> • Base cable for Siemens servo drives • For flexible applications without compulsory guide • More cost-effective alternative to the cable chain version 6FX8002 	
Properties	<ul style="list-style-type: none"> • PVC Flame-retardant, self-extinguishing • Silicone free • RoHS-compliant 	
Technical data		
SIEMENS designation	6FX5002-5DN01-1BA0*	
Number of conductors/cross-section	(4G1.5)+(2×1.5))	
Outer-Ø	11.6 approx. mm	
Conductor labelling	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 +80 °C

09.08.2014 – Subject to technical modification

Part-No. 198340.1000

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Minimum bending radius	fixed	-25 °C to +80 °C
	moving	D × 10
	fixed	D × 6
Burning behavior	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	
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.	

Design

Strand colour	Strand colour Signal cores: white/black (1 pair)
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 certified
Conductor labelling	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
Strand colour	Signal cores: white/black (1 pair)
Banding	Non-woven material over stranded cable
Overall shield	Braid from tinned copper wire, optical covering ≥ 85 %
Jacket colour	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

Logo

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SYSTEMATIC TECHNOLOGY

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