

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable



Servo cable assemblies with brake pairs for C-tracks

Identification	Type	6FX8002-5DA12-10m
	Part-No.	198490.1000

Use/Application/Characteristics

Application	<ul style="list-style-type: none"> • Base cable, for Siemens servo drives • Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants • Especially for industrial environments, machines and plants
Characteristics	<ul style="list-style-type: none"> • Silicone free • RoHS-compliant

Technical data

Number of strands/cross-section	(4G4+(2×1.5))	
OD Ø	13.6 ca. mm	
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-	
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	-25 °C to +80 °C
	fixed	-40 °C to +80 °C
Minimum bending radius	moving	D × 10

17.02.2017 – Subject to technical modification

Part-No. 198490.1000

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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
Halogen free	according to DIN EN 50267-2-1, EN 60684-2	
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, finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6	
Conductor insulation	Special TPE/HGI 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	
Stranding	Conductors cabled in layers without mechanical stress, layer pitch optimised	
Banding	Fleece wrap over cable core	
Overall shield	Braid from tinned copper wire, optical coverage ≥ 85 %	
Outer jacket	Full polyurethane jacket, matte, adhesion-free surface	
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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