

SERVO cables in acc. to SIEMENS® Standard 6FX 5008-

Motor and resolver/encoder cables - certified

Servomotor- and feedback cables in acc. to SIEMENS® Standard 6FX 5008 for static use, UL/CSA AWM and VDE certified

Info

Servo drives

EMC-compliant



Interference signals



Oil-resistant

Benefits

Motor & servo motor cables up to 6 mm²: low capacitance characteristics due to PP insulation

Multi-standard certification reduces part varieties and saves costs

Application range

Connecting cable between servo controller and motor

For static and occasionally flexible use

Plant engineering

Industrial machinery and machine tools

Printing machines

Product features

Oil-resistant

Flame-retardant according to IEC 60332-1-2 & CSA FT1

EMC-compliant

Last Update (18.01.2018)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

SERVO cables in acc. to SIEMENS® Standard 6FX 5008-**Norm references / Approvals**

Power cable:
VDE-registered
UL/CSA AWM Style 2570
Signal cables:
UL/CSA AWM style 2502
UL File No. E63634

Product Make-up

Design according to SIEMENS® standard 6FX 5008
Core insulation: up to 6 mm² = PP; 10 mm² and larger = PVC
Core and pairs are twisted together
Tinned-copper braiding
Outer sheath made of special PVC compound
Signal cables: green (RAL 6018)
Motor and servomotor cables: orange (RAL 2003)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	For fixed installation: 5 x outer diameter For flexible use: 15 x outer diameter
Nominal voltage:	Signal cables: 30 V AC (IEC) 30 V AC/DC (UL/CSA) Power cable: - Power cores: U0/U 600/1000 V (IEC) 1000 V (UL/CSA) - Control cores: 30 V AC (IEC) 1000 V (UL/CSA)
Test voltage:	Power cable: Power cores: 4000 V Control cores: 2000 V Signal cables: 500 V
Temperature range:	Fixed installation: -20°C to +80°C Flexing: from -0°C to +60°C

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SERVO cables in acc. to SIEMENS® Standard 6FX 5008-**Note**

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Siemens part designations (6FX5002/5008, 6FX7002/7008, 6FX8002/8008) are registered trademarks of Siemens AG, and are listed for comparison purposes only. DESINA® is a registered trademark of the German Machine Tool Builders' Association.

Article numbers refer to genuine Lapp products.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm ² per conductor	Reference article no.	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
Signal cables					
0025724	4 x 2 x 0,38 + 4 x 0,5	6FX5008-1BD21	9	76.4	120
0025725	3 x (2 x 0,14) + 4 x 0,14 + 2 x 0,5	6FX5008-1BD41	8.9	63	100
0025726	3 x (2 x 0,14) + 4 x 0,14 + 2 x 0,5 + 4 x 0,23	6FX5008-1BD51	9.5	69	139
Motor cables					
00257001	4 G 1.5	6FX5008-1BB11 LC	8	88	131
00257011	4 G 2.5	6FX5008-1BB21 LC	9.6	132	219
00257021	4 G 4	6FX5008-1BB31 LC	11	195	312
00257031	4 G 6	6FX5008-1BB41 LC	13.1	280	380
0025704	4 G 10	6FX5008-1BB51	19.3	445	620
0025705	4 G 16	6FX5008-1BB61	23.3	715	1060
0025706	4 G 25	6FX5008-1BB25	26.9	1110	1640
0025707	4 G 35	6FX5008-1BB35	30.3	1540	2310
0025708	4 G 50	6FX5008-1BB50	36.5	2160	3240
Servo cables					
00257151	4 G 1,5 + (2 x 1,5)	6FX5008-1BA11 LC	10.4	150	248
00257161	4 G 2,5 + (2 x 1,5)	6FX5008-1BA21 LC	12	194	310
00257171	4 G 4 + (2 x 1,5)	6FX5008-1BA31 LC	13.6	272	445
00257181	4 G 6 + (2 x 1,5)	6FX5008-1BA41 LC	15.6	351	554
0025719	4 G 10 + (2 x 1,5)	6FX5008-1BA51	21	536	806

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