

SERVO-SM5 6FX-5008® Series



SERVO-SM5 are economical, flexible, flame retardant, oil-resistant, overall shielded, UL/CSA, VDE & CE approved, orange PVC servo cable designed for stationary applications in accordance with Siemens 6FX-5008® cable standards. These servo cables are well suited for fixed installations or occasional flexing use. Commonly found in machine tools, car body presses and in machine components of transfer lines or production plants. The overall tinned copper braid shield improves protection against electromagnetic & RFI interferences. 100% compatible with Siemens systems. Siemens 6FX-5008-1BD.. green signal & feedback cables are not listed but are available upon request.

SERVO-SM5 UL AWM 21179 / CSA AWM CE



Construction:

- Designed to Siemens 6FX5008
- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Special polypropylene core insulation
- Color code VDE-0293 - black & numbered
- Signal cores are black w/ foil & braid shield
- Ground wire in outer layer
- Polyester wrapping over all inners
- 85% tinned copper braid shield
- Special PVC outer jacket - orange (RAL 2003)
- **Extremely oil resistant**

Technical:

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Flexing bending radius: 20 x Ø
- Static bending radius: 6 x Ø
- Flexing temp: -5° C to +80° C
- Static temp: -40° C to +80° C
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: 20 MΩ x km

Approvals:

- UL AWM style 21179
- CSA AWM II A/B, FT-1
- VDE-0281, 0245 & 0250
- DESINA
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	DESCRIPTION	SIEMENS#	NOMINAL OD	CU LBS/MFT	LBS/MFT
MOTOR CABLES					
9711604	#16-4/c	6FX5008-1BB11	0.382" / 9.7mm	59	88
9711404	#14-4/c	6FX5008-1BB21	0.437" / 11.1mm	89	147
9711204	#12-4/c	6FX5008-1BB31	0.508" / 12.9mm	131	209
9711004	#10-4/c	6FX5008-1BB41	0.598" / 15.2mm	188	255
9710804	#8-4/c	6FX5008-1BB51	0.760" / 19.3mm	298	416
9710604	#6-4/c	6FX5008-1BB61	0.917" / 23.3mm	480	711
9710404	#4-4/c	6FX5008-1BB25	1.059" / 26.9mm	745	1100
9710204	#2-4/c	6FX5008-1BB35	1.193" / 30.3mm	1033	1549
9710104	#1-4/c	6FX5008-1BB50	1.437" / 36.5mm	1449	2173
9712104	#2/0-4/c	6FX5008-1BB70	1.614" / 41.0mm	1979	2968
9713104	#3/0-4/c	6FX5008-1BB95	1.957" / 49.7mm	2737	4105
9714104	#4/0-4/c	6FX5008-1BB12	2.126" / 54.0mm	3401	5101
9713004	#300MCM-4/c	6FX5008-1BB15	2.402" / 61.0mm	4063	6094
9713504	#350MCM-4/c	6FX5008-1BB18	2.528" / 64.2mm	4898	7348
9715004	#500MCM-4/c	6FX5008-1BB24	2.756" / 70.0mm	6587	9880
SERVO-MOTOR					
9721604	#16-4/c & SHLD #16-2/c	6FX5008-1BA11	0.500" / 12.7mm	101	166
9721404	#14-4/c & SHLD #16-2/c	6FX5008-1BA21	0.543" / 13.8mm	130	208
9721204	#12-4/c & SHLD #16-2/c	6FX5008-1BA31	0.610" / 15.5mm	182	298
9721004	#10-4/c & SHLD #16-2/c	6FX5008-1BA41	0.650" / 16.5mm	235	372
9720804	#8-4/c & SHLD #16-2/c	6FX5008-1BA51	0.827" / 21.0mm	360	541
9720604	#6-4/c & SHLD #16-2/c	6FX5008-1BA61	0.917" / 23.3mm	518	728
9720404	#4-4/c & SHLD #16-2/c	6FX5008-1BA25	1.114" / 28.3mm	742	1130
9720204	#2-4/c & SHLD #16-2/c	6FX5008-1BA35	1.236" / 31.4mm	985	1478
9720104	#1-4/c & SHLD #16-2/c	6FX5008-1BA50	1.437" / 36.5mm	1355	2032

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