

SERVO-SM8-F 6FX-8008® Series



SERVO-SM8-F are continuous flex, flame retardant, oil-resistant, overall shielded, UL/CSA, VDE, CE & DESINA approved, green polyurethane signal & feedback cable. Designed for highly flexible servo-motor applications in accordance with Siemens 6FX-8008® cable standards. These signal & feedback cables can be found in applications such as machine tool, pick & place units, multi-axis machinery and in material handling equipment. The overall tinned copper braid shield improves protection against electromagnetic & RFI interferences. 100% compatible with Siemens systems.

SERVO-SM8-F UL AWM 20236 / CSA AWM II A/B CE

Construction:

- Designed to Siemens 6FX8008 Feedback
- Extra-fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special polypropylene core insulation
- Per Siemens 6FX-8008 feedback color codes
- Color codes available upon request
- Ground wire in outer layer
- Polyester fiber wrapping over all inners
- 85% tinned copper braid shield
- Included tinned copper drain wire
- Special PUR outer jacket - green (RAL 6018)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 350 volts
- Test voltage: 2000 volts
- Flexing bending radius: 12 x Ø
- Static bending radius: 8 x Ø
- Flexing temp: -20° 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 20236
- CSA AWM II A/B, FT-1
- VDE-0250 part-405
- 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
SIGNAL/FEEDBACK					
9742608	#26-8/pr	6FX8008-1BD11	0.307" / 7.8mm	36	57
9742204	#22-4/pr & #20-4/c	6FX8008-1BD21	0.350" / 8.9mm	52	80
9742603	#26-3/pr EPS & SHLD #20-2/c	6FX8008-1BD31	0.354" / 9.0mm	46	76
9742612	#26-3/pr EPS & #26-4/c & #20-2/c	6FX8008-1BD41	0.350" / 8.9mm	44	68
9742616	#26-3/pr EPS & #26-4/c & #20-2/c & #24-4/c	6FX8008-1BD51	0.374" / 9.5mm	58	93
9742604	#26-4/pr	6FX8008-1BD61	0.252" / 6.4mm	23	36
9742602	#26-2/pr	6FX8008-1BD71	0.197" / 5.0mm	16	24
9742412	#24-12/c	6FX8008-1BD81	0.272" / 6.9mm	32	51

* EPS - each pair has individual foil & tinned copper braid shield.

** All cables listed above are in direct color code accordance with the matching Siemens 6FX8008-1BD.. part numbers.

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