

## SERVO-SM7 6FX-7008® Series



**SERVO-SM7** are highly flexible, flame retardant, oil-resistant, overall shielded, UL/CSA, CE & DESINA approved, orange polyurethane servo motor connection cables for linear power transmission systems in accordance with Siemens 6FX-7008® cable standards. These servo cables are well suited for linear motion applications with high accelerations and especially designed for use in power chains. 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.



### Construction:

- Designed to Siemens 6FX7008
- Extra-fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special thermoplastic core insulation
- Color code VDE-0293 - black & numbered
- Control cores are black with white numbers
- Four control cores twisted w/ foil & braid shield
- Ground wire in outer layer
- Polyester fiber wrapping over all inners
- 85% tinned copper braid shield
- Special PUR outer jacket - orange (RAL 2003)
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Flexing bending radius: 10 x Ø
- Static bending radius: 7 x Ø
- Flexing temp: -40° C to +80° C
- Static temp: -50° C to +90° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: 20 MΩ x km

### Approvals:

- UL AWM Style 20235
- CSA AWM
- 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
<b>SERVO-MOTOR</b>					
9731604	#16-4/c & SHLD #20-4/c	6FX7008-1BC11	0.528" / 13.4mm	101	168
9731404	#14-4/c & SHLD #20-4/c	6FX7008-1BC21	0.571" / 14.5mm	127	201
9731204	#12-4/c & SHLD #20-4/c	6FX7008-1BC31	0.634" / 16.1mm	168	255
9731004	#10-4/c & SHLD #20-4/c	6FX7008-1BC41	0.728" / 18.5mm	235	362
9730804	#8-4/c & SHLD #20-4/c	6FX7008-1BC51	0.886" / 22.5mm	359	516
9730604	#6-4/c & SHLD #20-4/c	6FX7008-1BC61	1.024" / 26.0mm	516	698

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