

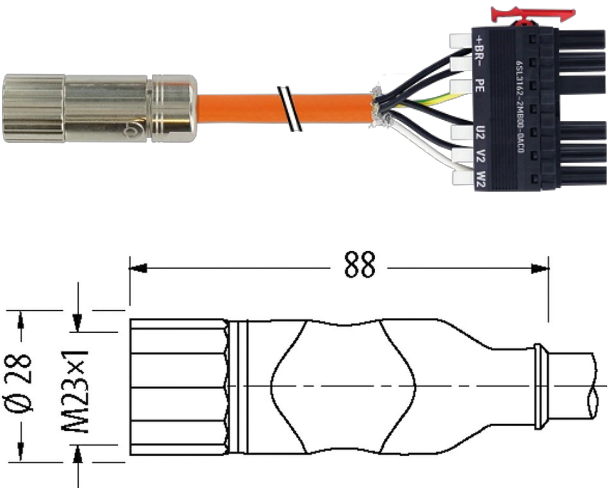
M23 SERVO CABLE

Specification: 6FX8002-5DS16-1BD0

Female straight – pre-wired terminals
M23, 6-pole
shielded
Power connector SIEMENS
Power cable with brake wires for SINAMICS S120 and motors with M23 connection and holding brake
without cable sleeves
Further cable lengths on request.
Plastic housings with good resistance against chemicals and oils.
The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)

Illustration



Product may differ from Image

Form	
Form	PS411
General data	
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Material (gasket)	FKM
Cables	
Cable number	833
No./diameter of wires	(4G2.5 + (2× 1.5)C)-C
Wire isolation	TPM (bk num, gnye)
C-track properties	10 Mio.
Jacket Color	orange
Material (jacket)	PUR (UL/CSA) (=MC800+)
Outer Ø	13.4 mm ±5%
Bend radius (moving)	7.5× outer Ø
Temperature range (fixed)	-50...+80 °C
Temperature range (mobile)	-35...+70 °C

Specification	6FX8008-1BA21
Cable identification	833
Approval (cable)	cURus (AWM-Style 21223/10492)
Material (wire)	Cu wire, bare
Resistor (core)	max. 13.3 Ω /km (1.5 mm ²), max. 7.98 Ω /km (2.5 mm ²); (20 °C)
Single wire Ø (core)	0.15 mm
Diameter (core)	(4G2.5 + (2× 1.5)C)-C
Material (wire isolation)	PP
Wire-Ø incl. isolation	2.4 ±5% (1.5 mm ²); 3.1 ±5% (2.5 mm ²)
Color/numbering of wires	bk, wh (1.5 mm ²); bk, gnye longitudinally striped (2.5 mm ²)
Shield	yes
	min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	13.4 mm ±5%
Color (jacket)	orange
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Nominal voltage	600/1000 V AC
Test voltage	4.0 kV
Temperature range (fixed)	-50...+80 °C
Temperature range (mobile)	-35...+70 °C
Bend radius (fixed)	4× outer-Ø
Bend radius (moving)	7.5× outer Ø
No. of bending cycles (C-track)	max. 10 Mio. (25 °C)
Torsion stress	±30 °/m

Technical Data

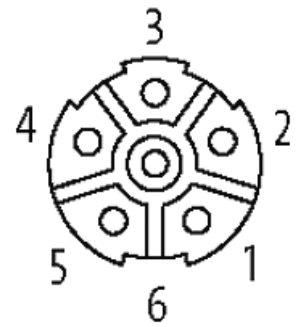
Operating voltage	600 V AC/DC (PIN 1/2/3/6); 250 V AC/DC (PIN 4/5)
Rated surge voltage	4 kV (PIN 1/2/3/6); 2 kV (PIN 4/5)
Operating current per contact	Power cores: 12 A (1.5 mm ²), 15 A (2.5 mm ²); brake cores: 5 A (1.5 mm ²)
Material group	IEC 60664-1, category I
Locking of ports	Screw thread (M23×1 mm) recommended torque 2.0 Nm, self-securing
Compression gland	M23 (SW27)
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Locking material	Brass, nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	16 mm; 23 mm

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879695992
eClass	27279218
Packaging unit	1

Sketch

Female



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