

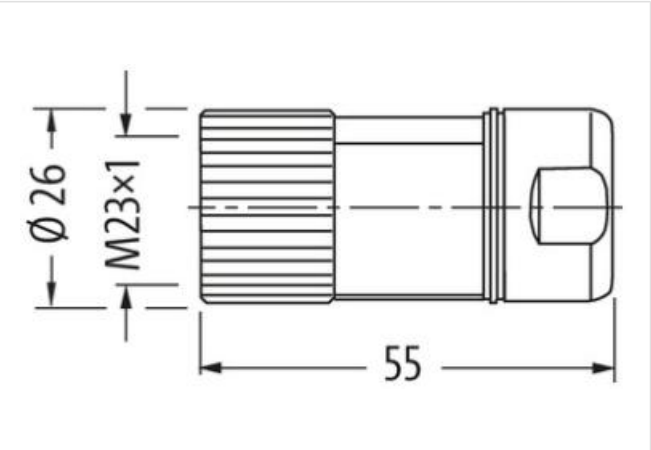
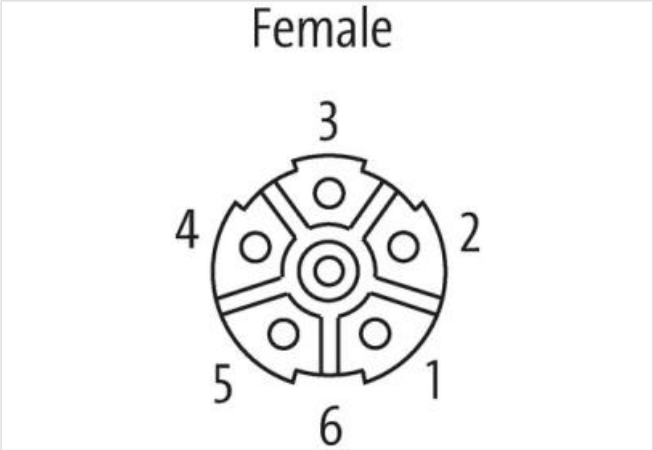
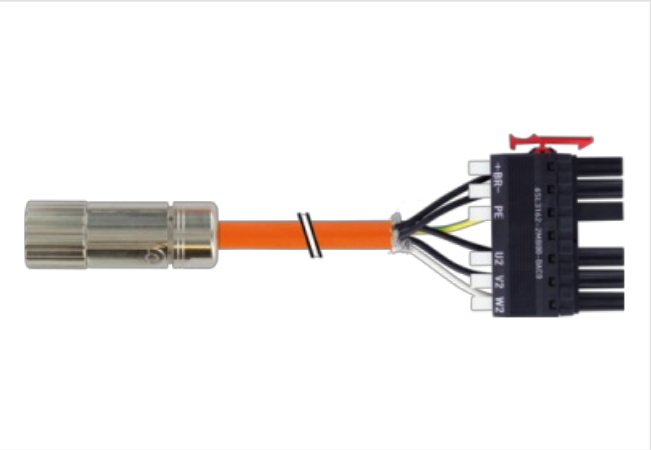
**M23 SERVO CABLE**

Specification: 6FX5002-5DN16-1BA0

Female straight – pre-wired terminals  
M23, 6-pole  
Power connector SIEMENS  
shielded  
Power cable for SINAMICS S120 and Motors with M23 connection  
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 PS412

Technical Data

Operating voltage	max. 630 V AC/DC
Rated surge voltage	6.0 kV
Operating current per contact	Power cores: 12 A (1.5 mm²), 15 A (2.5 mm²); brake cores: 5 A (1.5 mm²)

Material group	IEC 60664-1, category I
Locking of ports	Screw thread (M23×1 mm) recommended torque 2.0 Nm, self-securing
Material	Zinc die casting, nickel-plated
Locking material	Brass, nickel plated
suitable for corrugated tube (internal Ø)	without
Compression gland	M23 (SW27)

**General data**

Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

No./diameter of wires	(4G2.5 + (2× 1.5)C)-C
Wire isolation	TPM (bk num, gnye)
C-track properties	0.1 Mio.
Outer Ø	12.0 mm ±5%
Cable identification	863
Cable number	863
Approval (cable)	UL (AWM-Style 2570/10492), CSA
Material (wire)	Cu wire, bare
Resistor (core)	max. 13.3 Ω/km (20 °C)
Single wire Ø (core)	0.25 mm
Diameter (core)	(4G2.5 + (2× 1.5)C)-C
Material (wire isolation)	PP
Wire-Ø incl. isolation	2.4 ±5% (1.5 mm <sup>2</sup> ); 3.0 ±5% (2.5 mm <sup>2</sup> )
Color/numbering of wires	bk, wh (1.5 mm <sup>2</sup> ); bk, gnye longitudinally striped (2.5 mm <sup>2</sup> )
Shield	yes
Shield (Type)	Copper braid
optical shield cover	min. 85%
Material (jacket)	PVC
Outer-Ø (jacket)	12.0 mm ±5%
Color (jacket)	orange
Jacket Color	orange
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Temperature range (fixed)	-20...+80 °C
Temperature range (fixed)	-20...+80 °C
Temperature range (mobile)	-20...+60 °C
Temperature range (mobile)	-20...+60 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Torsion stress	±30°/m
Material (jacket)	PVC (UL/CSA) (=MC500)

Product article number of manufacturer	7000-PS412-8631000
Cable length	10 m