

## M23 SERVO CABLE

Specification: 6FX5002-5DN06-1CF0

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

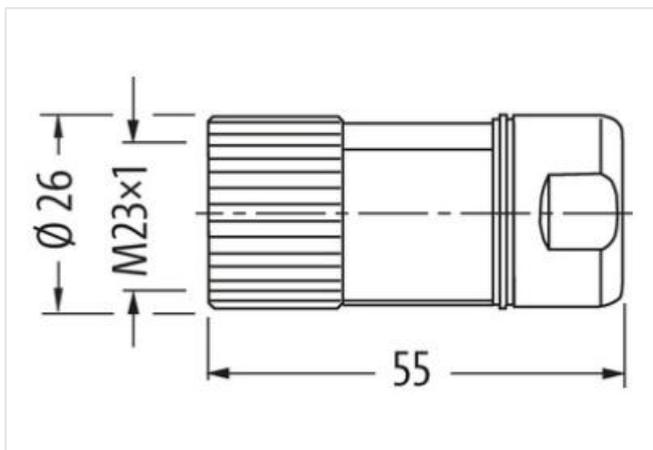
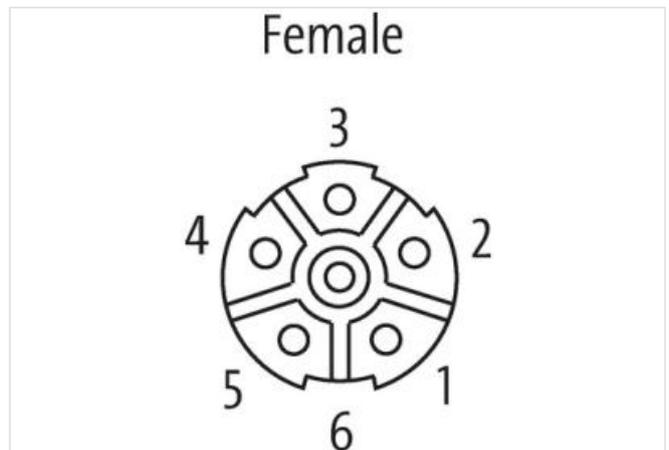
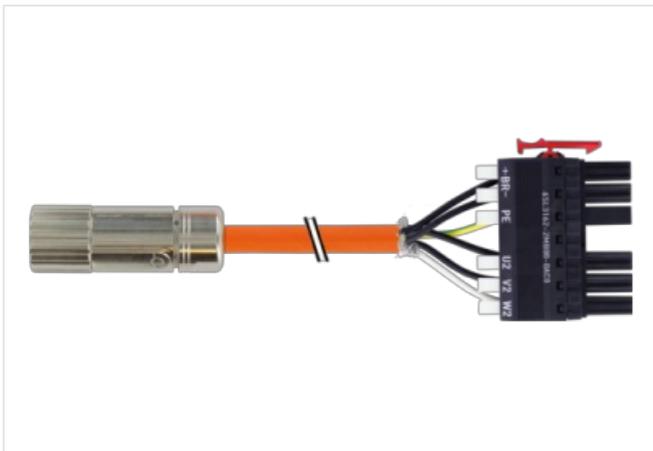
Further cable lengths on request.

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 mm <sup>2</sup> ), 15 A (2.5 mm <sup>2</sup> ); brake cores: 5 A (1.5 mm <sup>2</sup> )

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-13

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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)
<b>General data</b>	
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
<b>Cables</b>	
No./diameter of wires	(4G1.5 + (2× 1.5)C)-C
Wire isolation	TPM (bk num, gnye)
C-track properties	0.1 Mio.
Outer Ø	10.4 mm ±5%
Cable number	861
Approval (cable)	UL (AWM-Style 2570/10492), CSA
Diameter (core)	4× 2.5 + 2× 1.5 mm <sup>2</sup>
Shield	yes
Jacket Color	orange
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-20...+60 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	18× outer Ø
Torsion stress	±30°/m
Material (jacket)	PVC (UL/CSA) (=MC500)
Product article number of manufacturer	7000-PS412-8612500
Cable length	25 m