

M23 SIGNAL CABLE

Specification: 6FX8002-2EQ14-1AH5

Signal cable for SINAMICS S120 and motors with connection M23

Female straight - male straight

M23 - M23, 17-pole

without cable sleeves

Further cable lengths on request.

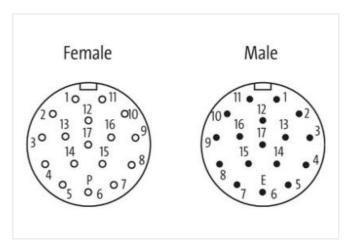
The resistance to aggressive media should be individually tested for your application. Further details on request.

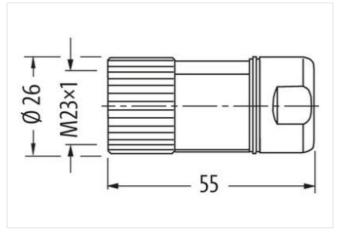
Plastic housings with good resistance against chemicals and oils.

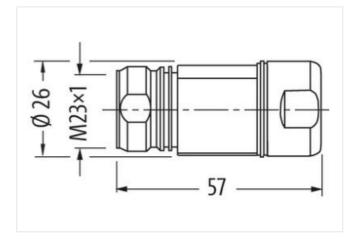
Link to Product

Illustration









Product may differ from Image

Cable length	7,5 m	
Side 1		
Tightening torque	2 Nm	
Family construction form	M23	
Thread	M23 x 1	
Degree of protection (EN IEC 60529)	IP67	
Side 2		

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-02



Commercial data ECLASS-0.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 2729218 ECLASS-9.0 27080307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27090307 ETIM-5.0 ECLASS-100 ECHASS-1.2.1 27060307 ETIM-5.0 ECLASS-100 Eclacifical Gial Supply FEM-5.0 Eclacifical Gial Supply FEM-5.0 Operating voltage AC max. 30 V Degree of protection (ISO 20053 2013) IPB6K Additional condition protection degree 1980K Additional condition protection degree 3 Related argue voltage 0,5 kV Mechanical data I Material data	Tightening torque	2 Nm
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Stranding (type 2) 2 wires twisted	Stranding	4 wires twisted
	Amount stranding (type 2)	1
Amount stranding (type 3) 3	Stranding (type 2)	2 wires twisted
	Amount stranding (type 3)	3

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-06-02



Stranding (type 3)	2 wires with Filler twisted
Cable shielding (type)	copper braiding, bare
Banding	Foil
Filler	yes
wire arrangement	brown, black, blue, white
Material jacket	PUR
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	9,5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	10
Outer diameter insulation	0,85 mm
Shore hardness wire insulation	65 ± 5 Shore D
Amount strands (wire)	7
Diameter of single wires	0,16 mm
Conductor crosssection (wire)	0,14 mm ²
Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (Data)	2 mm
Amount wires (Data)	4
Amount strands wire (Data)	7
Diameter of single wires (Data)	0,127 mm
Conductor crosssection wire (Data)	0,22 mm ²
Material conductor wire (Data)	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire	148,9 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	93,3 Ω/km @ 20 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	x Outer diameter
Bending radius (dynamic)	6 x Outer diameter
No. of bending cycles (C-track)	2 Mio.