

M23 SIGNAL CABLE

Specification: 6FX8002-2CF02-1AD0

Art.No.: 7000-SS191-8820300

Weight: 0.524

Country of origin: DE

Model designation: M6FX8002-2CF02-1AD0

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

Product details:

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.

Female straight – female 90°

M23, 12-pole

SUB-D25 (female)

25-pole

Signal cable for SINAMICS S120 and motors with connection M23

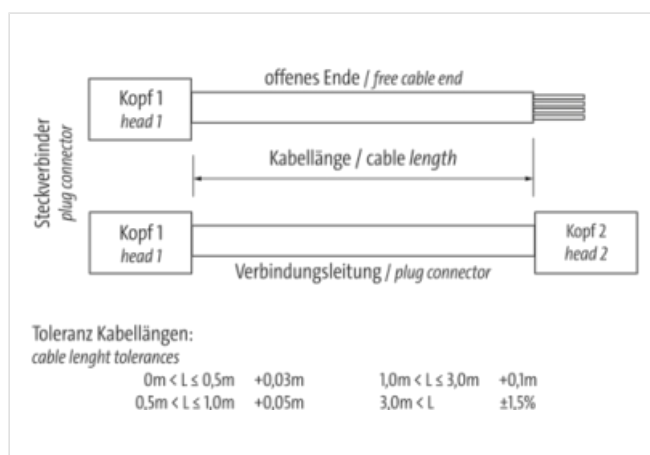
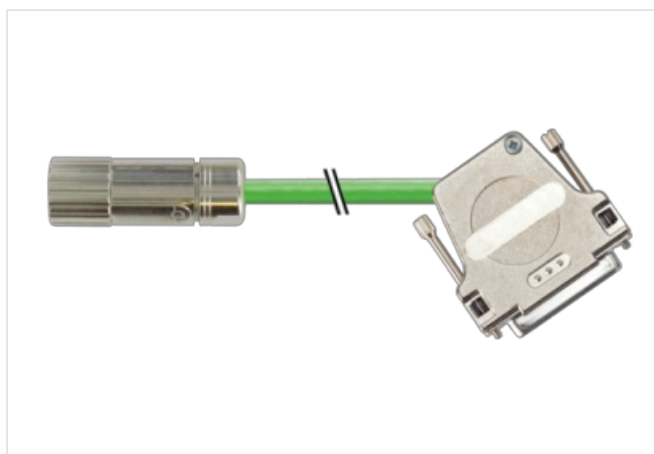
shielded

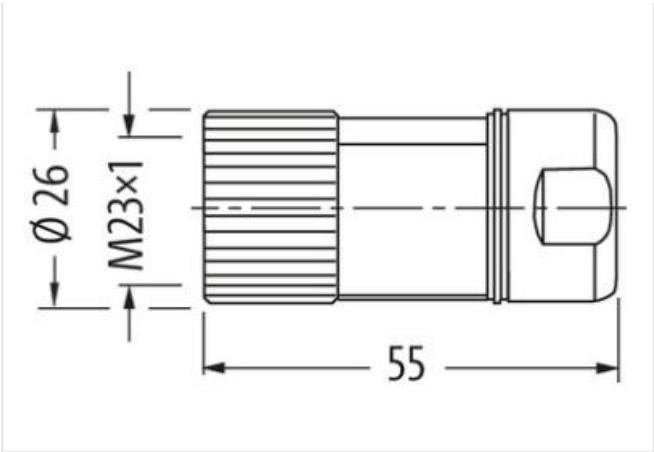
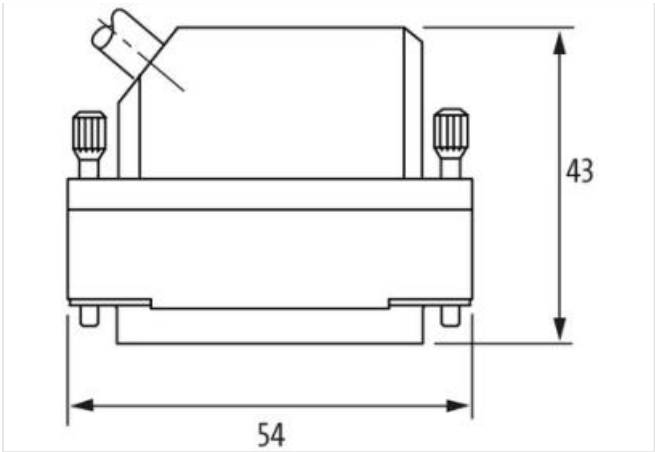
without cable sleeves

Further cable lengths on request.

Link to Product

Illustration





Product may differ from Image

Cable length	3 m
Side 1	
Tightening torque	2 Nm
Family construction form	M23
Thread	M23 x 1
suitable for corrugated tube (internal Ø)	16 mm
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Family construction form	SUB-D25
Degree of protection (EN IEC 60529)	IP20
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879686990
EAN	4048879686990
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection Electrical	
Pollution Degree	3
Rated surge voltage	0,5 kV
Material group (IEC 60664-1)	I
Mechanical data Material data	
Coating locking	nickel plated
Material gasket	FKM

Locking material Brass

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -25 °C

Operating temperature max. 85 °C

Additional condition temperature range depending on cable quality

Important installation notes

Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Note on bending radius **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Installation | Cable

wire arrangement brown, black, blue, white

Cable identification 882

Jacket Color black

Amount stranding 1

Stranding 4 wires twisted

Cable shielding (type) copper braiding, bare

wire arrangement brown, black, blue, white

Material jacket PUR

Outer-diameter (jacket) 5,7 mm

Tolerance outer diameter (sheath) ± 5 %

Material wire insulation PP

Amount wires 6

Conductor crosssection (wire) 0,14 mm²

Material conductor wire Stranded copper wire, bare

Nominal voltage AC max. 300 V

Current load capacity (standard) to DIN VDE 0298-4

Operating temperature min. (dynamic) -25 °C

Operating temperature max. (dynamic) 80 °C

UV resistance DIN EN ISO 4892-2 A

Flame resistance UL 1581 § 1090 | UL 1581 § 1100 FT2 | IEC 60332-2-2

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.