

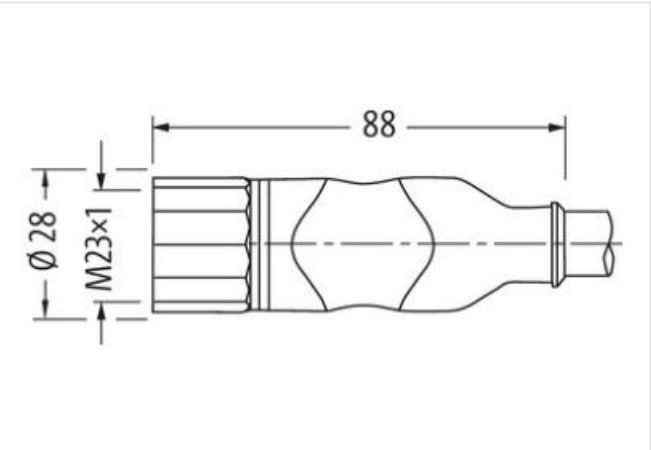
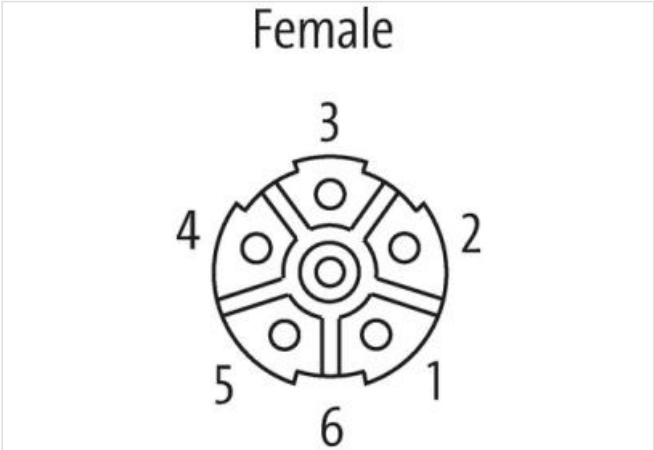
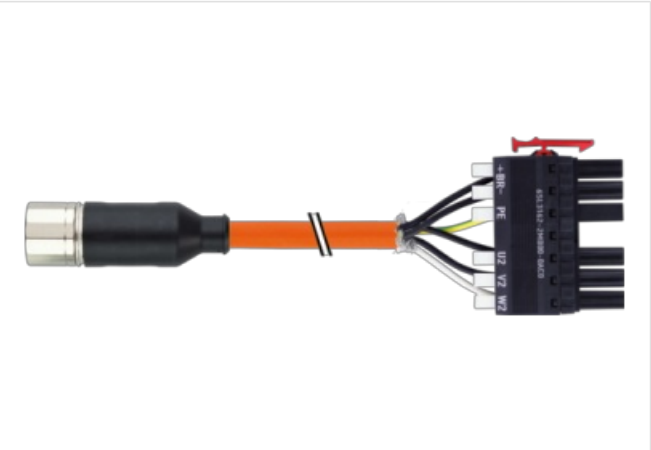
**M23 SERVO CABLE**

Specification: 6FX8002-5CS06-1BA0

Female straight – pre-wired terminals  
Plastic housings with good resistance against chemicals and oils.  
M23, 6-pole  
4-pole used  
Power connector SIEMENS  
shielded  
without brake wires  
Power cable for SINAMICS S120 and Motors with M23 connection  
without cable sleeves  
Further cable lengths on request.  
Power cores: 12 A (1.5 mm²), 15 A (2.5 mm²)

**Link to Product**

**Illustration**



Product may differ from Image

Cable length 10 m

**Side 1**

Tightening torque 2 Nm

Family construction form	M23
Thread	M23 x 1
suitable for corrugated tube (internal Ø)	16 mm
Width across flats	SW27
<b>Side 2</b>	
Family construction form	M23
suitable for corrugated tube (internal Ø)	23 mm
<b>Commercial data</b>	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879658379
Packaging unit	1
<b>Electrical data   Supply</b>	
Operating voltage AC max.	630 V
Operating voltage DC max.	630 V
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	6 kV
Material group (IEC 60664-1)	I
<b>Mechanical data   Material data</b>	
Coating locking	nickel plated
Material gasket	FKM
Material housing	PUR
Locking material	Brass
<b>Mechanical data   Mounting data</b>	
Mounting method	inserted, screwed, Shaking protection
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
<b>Installation   Cable</b>	
Cable identification	854
Jacket Color	orange
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires with Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fiber tape, Fleece
Filler	yes
wire arrangement	black W/L3/D/L-, black U/L1/C/L+, black V/L2, green-yellow

Traversing distance (C-track)	50 m @ 25 °C   horizontal
Cable weight	141,9 g/m
Material jacket	TMPU
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8,6 mm
Travel speed (C-track)	4
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation (Power)	TPM
Outer diameter wire insulation (Power)	2,4 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Ingredient freeness wire insulation (Power)	lead-free, CFC-free, halogen-free, silicone-free
Printing colour wire insulation (Power)	white (isolation black)
Amount strands wire (Power)	84
Diameter of single wires (Power)	0,15 mm
Wire conductor cross section (Power)	1,5 mm <sup>2</sup>
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	strand class 6
Max. rated voltage (conductor - conductor)	1000 V
Max. rated voltage (conductor - ground)	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance coating wire (Power)	13,7 Ω/km @20 °C
AC withstand voltage (wire - wire)	4 kV @ 300 s
Power frequency withstand voltage (wire - jacket)	4 kV @ 300 s
AC withstand voltage (wire - shield)	4 kV @ 300 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	4 x Outer diameter
Bending radius (dynamic)	7,5 x Outer diameter
Travel speed (C-track)	10 Mio. @ 25 °C
Torsion stress	± 30 °/m