

## M40 Servo Cable

Specification: 6FX5002-5DS46-1DA0

Art.No.: 7000-PS421-8943000

Weight: 15.154

Country of origin: DE

Model designation: M6FX5002-5DS46-1DA0

Female straight  
without cable sleeves

M40

6-pole

Power connector SIEMENS

Terminals

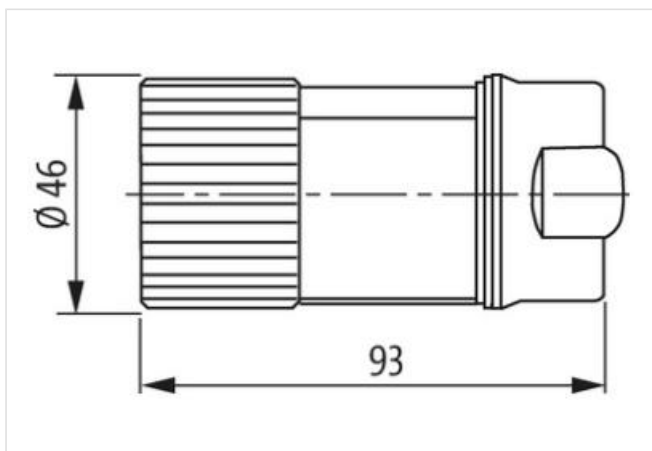
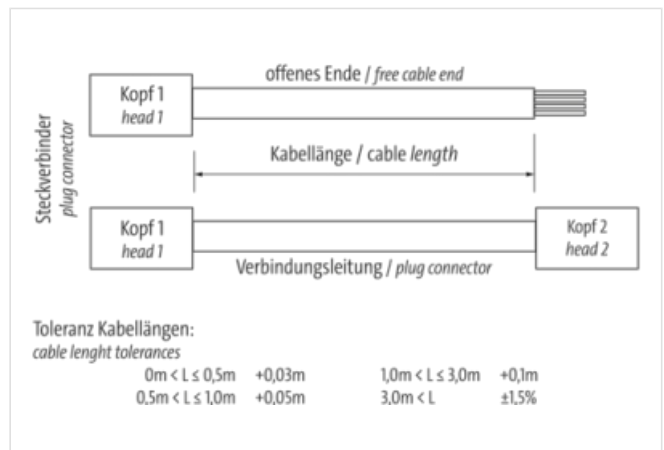
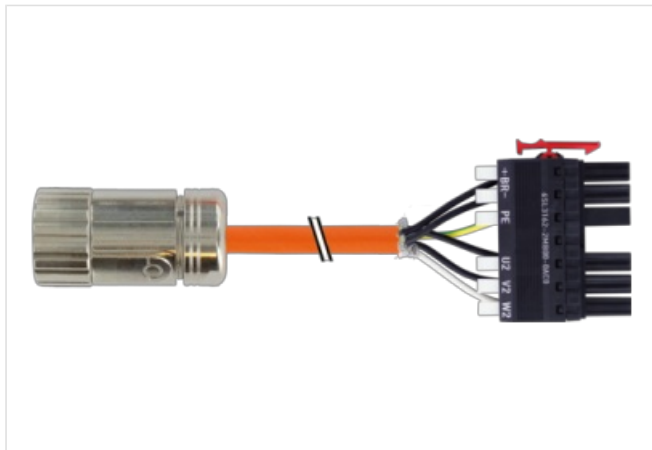
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

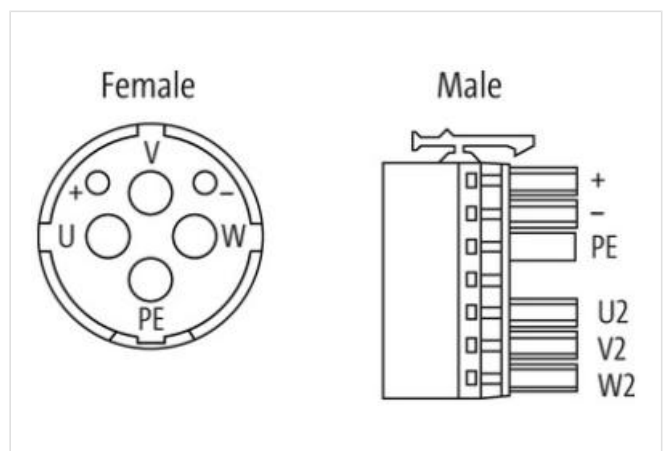
The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

### Illustration



Product may differ from Image



Cable length 30 m

### Side 1

Family construction form	M40
Thread	M40 x 1.5
<b>Commercial data</b>	
ECLASS-6.0	27279221
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	EC001576
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879729314
GTIN	4048879729314
Packaging unit	1
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	Nickeled
Locking material	Zinc die-casting
<b>Environmental characteristics   Climatic</b>	
Operating temperature min.	-20 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
<b>Important installation notes</b>	
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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
<b>Resistances   Cable</b>	
Cable identification	894
Jacket Color	orange
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	4 wires around Stranding combination twisted
Cable shielding (type)	copper braiding, bare
Material jacket	PVC
Outer-diameter (jacket)	14,8 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	4

Conductor crosssection (wire)	4 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Material wire insulation (Data)	PVC
Amount wires (Data)	2
Conductor crosssection wire (Data)	1,5 mm <sup>2</sup>
Material conductor wire (Data)	Stranded copper wire, bare
Min. operating temperature (static)	-25 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	60 °C
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	Good, application-related testing   DIN EN 60811-404

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Murrelektronik:](#)

[7000-PS421-8943000](#)