

## M40 Servo Cable

Specification: 6FX5002-5DS36-1DB0

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.

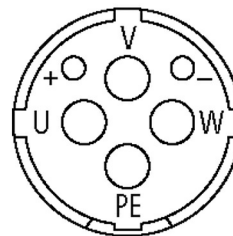
The resistance to aggressive media should be individually tested for your application. Further details on request.

### Link to Product

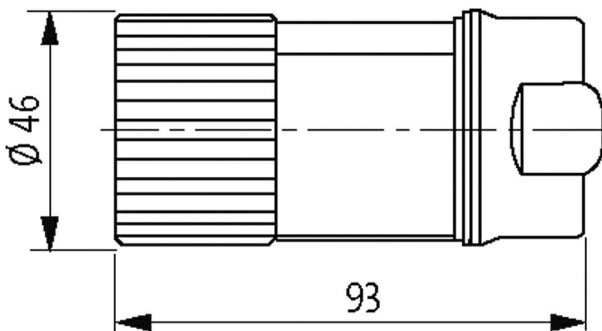
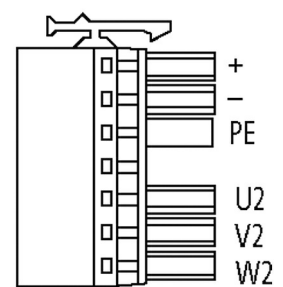
#### Illustration



Female



Male



Product may differ from Image

#### Form

Form PS421

#### Technical Data

Operating voltage	max. 630 V AC/DC
Rated surge voltage	6.0 kV
Material group	IEC 60664-1, category I
Locking of ports	M40×1.5 mm
Compression gland	M40 (SW46)
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Locking material	Zinc die casting, matte nickel plated

#### General data

Pollution Degree	3
Temperature range	-20...+85 °C

Cables	
Cable number	863
No./diameter of wires	(4G2.5 + (2× 1.5)C)-C
Wire isolation	TPM (bk num, gnye)
C-track properties	0.1 Mio.
Jacket Color	orange
Material (jacket)	PVC (UL/CSA) (=MC500)
Outer Ø	12.0 mm ±5%
Bend radius (moving)	10× outer Ø
Temperature range (fixed)	-20...+80 °C
Temperature range (mobile)	-20...+60 °C
Specification	6FX5008-1BA21
Cable identification	863
Approval (cable)	UL (AWM-Style 2570/10492), CSA
Material (wire)	Cu wire, bare
Resistor (core)	max. 13.3 Ω/km (20 °C)
Single wire Ø (core)	0.25 mm
Diameter (core)	(4G2.5 + (2× 1.5)C)-C
Material (wire isolation)	PP
Wire-Ø incl. isolation	2.4 ±5% (1.5 mm <sup>2</sup> ); 3.0 ±5% (2.5 mm <sup>2</sup> )
Color/numbering of wires	bk, wh (1.5 mm <sup>2</sup> ); bk, gnye longitudinally striped (2.5 mm <sup>2</sup> )
Shield	yes
optical shield cover	min. 85%
Material (jacket)	PVC
Outer-Ø (jacket)	12.0 mm ±5%
Color (jacket)	orange
thermal resistance	flame retardant UL 1581 VW1 / CSA FT1
Temperature range (fixed)	-20...+80 °C
Temperature range (mobile)	-20...+60 °C
Bend radius (fixed)	5× outer Ø
Torsion stress	±30°/m
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879780575
eClass	27279221
Packaging unit	1