

M40 Servo Cable

Specification: 6FX5002-5DS36-1CD0

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

Form

Form PS421

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 mm²); 3.0 ±5% (2.5 mm²)

Color/numbering of wires	bk, wh (1.5 mm ²); bk, gnye longitudinally striped (2.5 mm ²)
Shield	yes
	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

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

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879780568
eClass	27279221
Packaging unit	1