

M40 SERVO CABLE

Specification: 6FX5002-5DA38-1AD0

Female straight – male straight

M40

6-pole

without cable sleeves

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 PS111

General data

Pollution Degree 3

Temperature range -25...+85 °C, depending on cable quality

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 ²); 3.0 ±5% (2.5 mm ²)
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
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Locking material	Brass, nickel plated

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879781664
eClass	27279218
Packaging unit	1