



CONTACT

Market information
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SERVO CABLES ACC. TO SIEMENS STANDARD 6FX5008 PW+SG

Servo cables with control pair according to SIEMENS standard 6FX5008 for fixed installation, PVC jacket, shielded, resistant to oils, flame retardant

STANDARDS

Product UL and CSA approval

DESIGN

Conductor

Bare copper

Core insulation

from 1,5 to 6 mm²:

Polyolefin

Core stranding

Power cores stranded with fillers

Core identification

Power: Black num + Yellow / Green

Signal: Black - White

Shield

Total shield:

Tinned copper braid,

coverage >= 85%

Jacket

PVC

Colour:

Orange RAL 2003

NORMATIVE REFERENCES

Oil resistant

IEC 50363-4-1

Flame retardant

IEC 60331-2-1; FT1; UL 1581; EN 50265-2-1

CHARACTERISTICS

Construction characteristics

Conductor material

Bare copper



Operating temp.
-10 ... 80 °C



Storage temperature, range
-20 ... 80 °C



Oil resistance
EN 50363-4-1



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1

Construction characteristics

Insulation	Polyolefin
Insulation colour	Power: Black - White marking U/L1/C/L+ V/L2 W/L3/D/L- Yellow/ Green; Signal: Black+White
Lay Up	power cores and control pairs stranded with filler
Taping	Fleece Tape
Shielding	85% tinned copper braid - optical coverage
Outer sheath	PVC
Sheath colour	Orange RAL 2003

Electrical characteristics

Rated Voltage Uo/U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	2 m/s ²
Bending cycles	.1 Mio.
Speed	30 m/min

Usage characteristics

Field of application	Fixed installations
Minimum dynamic operating bending radius	15 (xD)
Operating temperature, range	-10 ... 80 °C
Storage temperature, range	-20 ... 80 °C
Oil resistance	EN 50363-4-1
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]	Copper content [kg/km]
10553241	-	(4G1,5+(2x1,5)C)C	(4G1.5 + (2x1.5)C)C	10.0	165
10553233	-	(4G2,5+(2x1,5)C)C	(4G1.5 + (2x1.5)C)C	11.5	155
10553224	-	(4G4 + (2x1,5)C)C	(4G4 + (2x1.5)C)C	14.6	300
10553213	-	(4G6 + (2x1,5)C)C	(4G6 + (2x1.5)C)C	16.8	386

= Make to order, = In stock,



Operating temp.
-10 ... 80 °C



Storage temperature, range
-20 ... 80 °C



Oil resistance
EN 50363-4-1



Flame retardant
IEC/EN 60332-1-2; FT1; UL 1581 FT1