



### CONTACT

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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 mm<sup>2</sup>:

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  $\geq$  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 <sup>2</sup>
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