



Reference: 10553213

**CONTACT**

Market information  
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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 >= 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**

Construction type	(4G6 + (2x1.5)C)C
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

**Dimensional characteristics**

Nominal outer diameter	16.8 mm
Copper content	386 kg/km
Approximate weight	465 kg/km

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /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



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