



**Reference:** 10553084  
**Country Ref.:** 13-EBU09Z06P  
**EAN 13:** 8054803123260

#### CONTACT

Market information  
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Servo cables according to SIEMENS Standard 6FX8008PLUS for extremely dynamic applications, PUR jacket, shielded, resistant to oils, flame retardant, halogen-free

#### STANDARDS

**Product** UL and CSA approval

#### Normative Reference

**UL Recognized / CSA**  
 AWM 80°C - 600V/1000V  
 AWM 80°C - 600V/1000V FT1

#### Oil Resistance:

EN 50363-10-2

#### Flame Retardant:

IEC 60332-1; FT1: UL 1581; EN 50265-2-1

#### Toxicity:

Halogen free

## CHARACTERISTICS

### Construction characteristics

Construction type	(4G6 + (2x1.5)C)C
Conductor material	Stranded bare copper
Insulation	Polyolefin
Insulation colour	Power: U/L1/C/L+ V/L2 W/L3/D/L- Ye/GN; Signal: Black - White
Lay Up	power cores and control pairs stranded with filler
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes



Halogen free  
 Yes



Operating temp.  
 -30 ... 80 °C



Storage temperature, range  
 -50 ... 80 °C



Oil resistance  
 EN 50363-10-2



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

**Dimensional characteristics**

Nominal outer diameter	16.7 mm
Copper content	402 kg/km
Approximate weight	530 kg/km

**Electrical characteristics**

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

**Mechanical characteristics**

Maximum acceleration	50 m/s <sup>2</sup>
Bending cycles	10 Mio.
Speed	300 m/min

**Usage characteristics**

Field of application	Dynamic
Minimum dynamic operating bending radius	7.5 (xD)
Operating temperature, range	-30 ... 80 °C
Storage temperature, range	-50 ... 80 °C
Oil resistance	EN 50363-10-2
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1



Halogen free  
Yes



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-30 ... 80 °C



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Oil resistance  
EN 50363-10-2



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