



**Reference:** 10553102  
**Country Ref.:** 13-EBU15G04P  
**EAN 13:** 8054803122904

#### CONTACT

Market information  
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servo motor 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

#### DESIGN

**Conductor**  
 Standed Bare copper  
**Core insulation**  
 Polyolefin  
**Core stranding**  
 Power cores stranded with fillers  
**Core identification**  
*Power:*  
 U/L1/C/L+ V/L2  
 W/L3/D/L- Ye/Gr

**Shield**  
*Total Shield:*  
 Tinned copper braid, coverage  $\geq 80\%$

**Jacket**  
 PUR  
 Colour: Orange RAL 2003  
 (available also in black)

#### CHARACTERISTICS

**Normative Reference**  
**UL recognised / CSA**  
 AWM 80°C - 600V/1000V  
 AWM 80°C - 600V/1000V FT1

**Oil Resistance:**EN 50363-10-2

**Flame Resistance:**IEC 60331-1-2; FT1; UL1581; EN 50265-2-1

**Toxicity:**Halogen free



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

## CHARACTERISTICS

### Construction characteristics

Construction type	(4G1,5)C
Conductor material	Stranded bare copper
Insulation	Polyolefin
Insulation colour	U/L1/C/L + V/L2 W/L3/D/L - Yellow/Green
Lay Up	Power cores stranded with filler
Taping	Non woven tape
Shielding	80% tinned copper braid coverage
Outer sheath	PUR
Sheath colour	Orange RAL 2003
Halogen free	Yes

### Dimensional characteristics

Conductor cross-section	1.5 mm <sup>2</sup>
Nominal outer diameter	9.1 mm
Copper content	98 kg/km
Approximate weight	150 kg/km

### Electrical characteristics

Rated Voltage U <sub>0</sub> /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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Oil resistance  
EN 50363-10-2



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