



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	-
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

Dimensional characteristics

Nominal outer diameter	- mm
Copper content	- kg/km
Approximate weight	- kg/km



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

Electrical characteristics

Rated Voltage U ₀ /U	0.6/1 kV
Test voltage	4000 V

Mechanical characteristics

Maximum acceleration	50 m/s ²
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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Storage temperature, range
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Oil resistance
EN 50363-10-2



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