



Reference: 10553606
Country Ref.: 13-MBS21Z12P-V1
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CONTACT

Market information
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Measuring systems cables acc. to SIEMENS® standard 6FX8008PLUS for extremely dynamic applications, PUR jacket, shielded, oil resistant, flame retardant, halogen free

STANDARDS

Product UL and CSA approval

UL Recognized / CSA Approval

UL AWM 80°C 30V
 CSA AWM I/II A/B 75°C 30V

Oil resistance:

IEC 60811-2-1

Flame retardant:

IEC 60332-1-2, CSA FT1, UL1581, EN 50265-2-1

Toxicity:

Halogen free

DESIGN

1. **Conductor:** Tinned copper
2. **Insulation:** PP
3. **Stranding:** See product table
4. **Shield:** Tinned copper braid
5. **Jacket:** PUR
6. **Colour:** Green, RAL 6018



Halogen free
Yes



Operating temp.
 -30 ... 80 °C



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



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



Oil resistance
 EN 50363-10-2

CHARACTERISTICS

Construction characteristics

Construction type	((4x2x0.34)C + 4x0.50)C
Conductor material	Tinned copper
Insulation	Polyolefin
Insulation colour	See Tab
Lay Up	Please request detailed data sheet
Taping	Soft tape
Outer sheath	PUR
Sheath colour	Green RAL 6018
Shielding	≥85% tinned copper braid coverage
Halogen free	Yes

Dimensional characteristics

Nominal outer diameter	8.9 mm
Copper content	79 kg/km
Approximate weight	116 kg/km

Electrical characteristics

Rated Voltage U _o /U	30 V
Test voltage	500 V

Mechanical characteristics

Maximum acceleration	50 m/s ²
Bending cycles	5 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
Flame retardant	IEC/EN 60332-1-2; FT1; UL 1581 FT1
Storage temperature, range	-50 ... 80 °C
Oil resistance	EN 50363-10-2