

MEASURING SYSTEM CABLES ACC. TO SIEMENS® STANDARD 6FX5008

MEASURING SYSTEMS ACC. TO SIEMENS® 6FX5008 (3x(2x0,14)C+2x0,5
+4x0,14)C



Measuring systems cables for dynamic applications. MOTIONLINE® STANDARD

STANDARDS

Product UL and CSA approval

For dynamic applications; PVC Jacket, screened, resistant to oils and coolants, flame retardant.

Reference: 49402971

Country Ref.: 6FX5008-1BD41

CONTACT

Market information
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Operating temp.
-15 ... 80 °C



Storage temperature, range
-40 ... 80 °C



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



Oil resistance
EN 50363-4-1

CHARACTERISTICS

Construction characteristics

Construction type	(3x(2x0,14)C+2x0,5+4x0,14)C
Conductor material	Bending-resistant conductor with tinned copper wires
Insulation	TPM with very low capacitance
Insulation colour	See Tab
Screen	Tinned copper braid, coverage ≥ 80%
Outer sheath	PVC
Sheath colour	Green RAL 6018

Dimensional characteristics

Outer Diameter	9.1 mm
Copper content	61 kg/km
Approximate weight	103 kg/km

Electrical characteristics

Rated Voltage U ₀ /U	30 V
Test voltage	300 V

Mechanical characteristics

Bending cycles	5 Mio.
Speed	180 m/min
Maximum acceleration	2 m/s ²

Usage characteristics

Field of application	Dynamic
Minimum dynamic operating bending radius	10 (xD)
Operating temperature, range	-15 ... 80 °C
Storage temperature, range	-40 ... 80 °C
Flame retardant	IEC 60332-1-2; UL 1581 FT1
Oil resistance	EN 50363-4-1