



Measuring systems cables for very dynamic applications. MOTIONLINE® ADVANCED

### STANDARDS

**Product** UL and CSA approval

For very dynamic applications; PUR Jacket, screened, resistant to oils and coolants, notch resistant, flame retardant, resistant to hydrolysis and microbes, PVC- and halogen-free.

### CONTACT

Market information  
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ogroup.com



Halogen free  
Yes



Operating temp.  
-15 ... 80 °C



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



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



Oil resistance  
DIN EN 50363-10-2 & DIN EN 60811-404

**CHARACTERISTICS**

**Construction characteristics**

Conductor material	Bending-resistant conductor with tinned copper wires
Insulation	TPM with very low capacitance
Insulation colour	See Tab
Screen	Tinned copper braid, coverage ≥ 85%
Outer sheath	PUR
Sheath colour	Green RAL 6018
Halogen free	Yes

**Electrical characteristics**

Rated Voltage U <sub>0</sub> /U	30 V
Test voltage	300 V

**Mechanical characteristics**

Bending cycles	5 Mio.
Speed	180 m/min
Maximum acceleration	20 m/s <sup>2</sup>

**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	DIN EN 50363-10-2 & DIN EN 60811-404

**PRODUCT LIST**

Reference	Country Ref.	Name	Construction type	Copper content [kg/km]	Approximate weight [kg/km]
☎ 49483371	6FX8008-1BD11	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (8P0,18)C	(8P0,18)C	54	89
☎ 49482671	6FX8008-1BD21	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (4X2X0,34+4x0,5)C	(4x2x0,34+4x0,5)C	70	107
☎ 49482771	6FX8008-1BD31	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (3x(2x0,14)D+(2x0,5)D)C (2x0,14)C+(2x0,5)C C	(3x(2x0,14)D+(2x0,5)D)C	63	107

☎ = Make to order, 📦 = In stock,

Reference	Country Ref.	Name	Construction type	Copper content [kg/km]	Approximate weight [kg/km]
☎ 49482971	6FX8008-1BD41	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (3x(2x0,14)C+2x0,5+4x0,14)C	(3x(2x0,14)C+2x0,5+4x0,14)C	61	101
☎ 49482871	6FX8008-1BD51	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (3x(2x0,14)C+2x0,5+4x0,14+4x0,22)C	(3x(2x0,14)C+2x0,5+4x0,14+4x0,22)C	82	122
☎ 49483171	6FX8008-1BD61	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (4x2x0,18)C	(4x2x0,18)C	34	55
☎ 49483271	6FX8008-1BD71	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (2x2x0,18)C	(2x2x0,18)C	22	37
☎ 49483071	6FX8008-1BD81	MEASURING SYSTEMS ACC. TO SIEMENS® 6FX8008 (12x0,22)C	(12x0,22)C	48	78

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