



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.

CONTACT

Market information
industryprojects.business@lynx
ogroup.com



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

| | |
|--------------------|--|
| 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 |

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 |

PRODUCT LIST

| Reference | Country Ref. | Name | Construction type | Outer Diameter [mm] | Copper content [kg/km] |
|------------|---------------|---|------------------------------------|---------------------|------------------------|
| ☎ 49402671 | 6FX5008-1BD21 | MEASURING SYSTEMS ACC. TO SIEMENS® 6FX5008 (4x2x0,34+4x0,5)C | (4x2x0,34+4x0,5)C | 9.1 | 71 |
| ☎ 49402971 | 6FX5008-1BD41 | MEASURING SYSTEMS ACC. TO SIEMENS® 6FX5008 (3x(2x0,14)C+2x0,5+4x0,14)C | (3x(2x0,14)C+2x0,5+4x0,14)C | 9.1 | 61 |
| ☎ 49402871 | 6FX5008-1BD51 | MEASURING SYSTEMS ACC. TO SIEMENS® 6FX5008 (3x(2x0,14)C+2x0,5+4x0,14+4x0,22)C | (3x(2x0,14)C+2x0,5+4x0,14+4x0,22)C | 9.6 | 72 |

☎ = Make to order, 📦 = In stock,