



**Reference:** 10558927  
**Country Ref.:** 6FX8008-1BD71  
**EAN 13:** 8054803054649

#### CONTACT

Market information  
 industryprojects.business@lynxgroup.com

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

#### Normative References

**UL Recognized / CSA Approval**

AWM 80°C - 30V

AWM 75°C - 30V FT1

**Oil resistance:**

IEC 50363-10-2

**Hydrolysis resistance (jacket):**

VDE 0472-02

**Flame retardant:**

IEC 60332-1-2; FT1; UL1581:EN 50265-2-1

**Toxicity:**

Halogen free

### CHARACTERISTICS

#### Construction characteristics

|                    |                                    |
|--------------------|------------------------------------|
| Construction type  | (2x2x0.18)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 | 5.0 mm |
|------------------------|--------|



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

| Dimensional characteristics              |                                    |
|--|------------------------------------|
| Copper content                           | 25 kg/km                           |
| Approximate weight                       | 33 kg/km                           |
| Electrical characteristics               |                                    |
| Rated Voltage U <sub>0</sub> /U          | 30 V                               |
| Test voltage                             | 500 V                              |
| Mechanical characteristics               |                                    |
| Maximum acceleration                     | 50 m/s <sup>2</sup>                |
| 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                      |



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