



Measuring systems cables according to SIEMENS standard 6FX5008 for dynamic applications, PVC jacket, shielded, resistant to oils, flame retardant

## STANDARDS

**Product** UL and CSA approval

### Normative References

**UL Recognized / CSA**

AWM 80°C - 30V

AWM 80°C - 30V FT1

**Refrigerant oil resistance:**

CNOMO E.03.40.150N: NFT 46-013

**Oil resistance:**

IEC 50363-4-1

**Flame retardant:**

IEC 60332-1-2

FT1

UL1581

EN 50265-2-1

## CONTACT

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



Storage temperature, range  
-20 ... 80 °C



Oil resistance  
EN 50363-4-1



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

## CHARACTERISTICS

### Construction characteristics

|                    |                                    |
|--------------------|------------------------------------|
| Conductor material | Tinned copper                      |
| Insulation         | Polyolefin                         |
| Insulation colour  | See Tab                            |
| Lay Up             | Please request detailed data sheet |
| Taping             | Non woven tape                     |
| Shielding          | ≥85% tinned copper braid coverage  |
| Outer sheath       | PVC                                |
| Sheath colour      | Green RAL 6018                     |

### Electrical characteristics

|                    |       |
|--------------------|-------|
| Rated Voltage Uo/U | 30 V  |
| Test voltage       | 500 V |





### Mechanical characteristics



|                      |                    |
|----------------------|--------------------|
| Maximum acceleration | 5 m/s <sup>2</sup> |
| Bending cycles       | 1 Mio.             |
| Speed                | 180 m/min          |



### Usage characteristics



|  |                                    |
|--|------------------------------------|
| Field of application                     | Dynamic                            |
| Minimum dynamic operating bending radius | 10 (xD)                            |
| Operating temperature, range             | -15 ... 80 °C                      |
| Storage temperature, range               | -20 ... 80 °C                      |
| Oil resistance                           | EN 50363-4-1                       |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |

## PRODUCT LIST

| Reference   | Country Ref.    | Name  | Construction type           | Nominal outer diameter [mm] | Copper content [kg/km] |
|---|-----------------|---|-----------------------------|-----------------------------|------------------------|
|  10553609        | 13-MBS21Z12R-V1 | 13-MBS<br>((4x2x0,34)<br>C<br>+4x0,50)C       | ((4x2x0.34)C + 4x0.50)C     | 8.9                         | 78                     |
|  13-MBS25P08R-V1 | 13-MBS25P08R-V1 | 13-MBS<br>(8x2x0.18)<br>C                     | (8x2x0.18) C                | 7.8                         | 55                     |
|  10554351        | 13-MYS21Z08R-V5 | 13-MYS<br>(3x<br>(2x0.14)D<br>+(2x0.5)D)<br>C | (3x(2x0.14)D+(2x0.5)D)C     | 8.7                         | 64                     |
|  10554357        | 13-MYS21Z12R-V1 | 13-MYS<br>(3x2x0.14)<br>C+4x0.14<br>+2x0.5)C  | ((3x2x0.14)C+4x0.14+2x0.5)C | 8.9                         | 65                     |

 = Make to order,  = In stock,

| Reference  | Country Ref.    | Name  | Construction type                   | Nominal outer diameter [mm] | Copper content [kg/km] |
|--|-----------------|---|-------------------------------------|-----------------------------|------------------------|
|  10554363     | 13-MYS21Z16R-V1 | 13-MYS<br>((3x2x0.14<br>)C+2x0.5<br>+4x0.14<br>+4x0.22) | ((3x2x0.14)C+2x0.50+4x0.14+4x0.22)C | 9.5                         | 75                     |
|  13-MYS24X12R | 13-MYS24X12R    | 13-MYS<br>(12x0.22)<br>C                                | (12x0.22)C                          | 7.5                         | 49                     |

 = Make to order,  = In stock,