



**Reference:** 10553640  
**Country Ref.:** 13-MHM22P04P-V1  
**EAN 13:** 8054803112288

**CONTACT**

Market information  
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resolver cables for extremely dynamic applications, PUR jacket, shielded, oil resistant, flame retardant, halogen free

**STANDARDS**

**Product** UL and CSA approval

**TYPE APPROVAL UL/CSA**

AWM 80°C -30V  
 AWM 75°C - 30V FT1

**Oil Resistance:**

VDE 0472 p. 803 A7B (04 1986);  
 UL 1581 VDE 0282 part 10;  
 HD 22.10 S1

**Note :** Cables can be supplied in "non-halogen" version

**CHARACTERISTICS**

**Construction characteristics**

|                    |                                   |
|--------------------|-----------------------------------|
| Conductor material | Tinned copper                     |
| Construction type  | (4x(2x0.34)C)C                    |
| Insulation         | PVC                               |
| Insulation colour  | TAB CP2                           |
| Individual screen  | Tinned copper braid               |
| Individual sheath  | PVC                               |
| Shielding          | ≥85% tinned copper braid coverage |
| Outer sheath       | PUR                               |
| Sheath colour      | Green RAL 6018                    |
| Halogen free       | Yes                               |



Halogen free  
 Yes



Operating temp.  
 -30 ... 80 °C



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



Oil resistance  
 EN 50363-10-2



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

#### Dimensional characteristics

|                        |           |
|------------------------|-----------|
| Nominal outer diameter | 10.6 mm   |
| Copper content         | 98 kg/km  |
| Approximate weight     | 170 kg/km |

#### Electrical characteristics

|                                 |        |
|---------------------------------|--------|
| Rated Voltage U <sub>0</sub> /U | 300 V  |
| Test voltage                    | 1500 V |

#### Mechanical characteristics

|                      |                     |
|----------------------|---------------------|
| Maximum acceleration | 20 m/s <sup>2</sup> |
| Bending cycles       | 10 Mio.             |
| Speed                | 240 m/min           |

#### Usage characteristics

|  |                                    |
|--|------------------------------------|
| Field of application                     | Dynamic                            |
| Minimum dynamic operating bending radius | 7.5 (xD)                           |
| Operating temperature, range             | -30 ... 80 °C                      |
| Storage temperature, range               | -40 ... 80 °C                      |
| Oil resistance                           | EN 50363-10-2                      |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |



Halogen free  
Yes



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