



Resolver cables for dynamic application, PVC jacket, shielded, oil resistant, flame retardant

**STANDARDS**

**Product** UL and CSA approval

**Normative references**

Type Approval UL/CSA  
 AWM 80°C -30V  
 AWM 75°C - 30V FT1

**Reference:** 10553631  
**Country Ref.:** 13-MHF24P04R-V1  
**EAN 13:** 8054803112325

**CONTACT**

Market information  
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**CHARACTERISTICS**

**Construction characteristics**

|                    |                                   |
|--------------------|-----------------------------------|
| Construction type  | (4x(2x0.25)C)C                    |
| Conductor material | Tinned copper                     |
| Insulation         | Polyethylene                      |
| Insulation colour  | TAB CP2                           |
| Individual screen  | Tinned copper braid               |
| Individual sheath  | PVC                               |
| Shielding          | ≥85% tinned copper braid coverage |
| Outer sheath       | PVC                               |
| Sheath colour      | Green RAL 6018                    |

**Dimensional characteristics**

|                        |        |
|------------------------|--------|
| Nominal outer diameter | 9.5 mm |
|------------------------|--------|



Operating temp.  
 -10 ... 80 °C



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



Oil resistance  
 EN 50363-4-1



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

**Dimensional characteristics**

|                    |           |
|--------------------|-----------|
| Copper content     | 80 kg/km  |
| Approximate weight | 135 kg/km |

**Electrical characteristics**

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

**Mechanical characteristics**

|                      |                     |
|----------------------|---------------------|
| Maximum acceleration | 10 m/s <sup>2</sup> |
| Bending cycles       | 2.5 Mio.            |
| Speed                | 180 m/min           |

**Usage characteristics**

|  |                                    |
|--|------------------------------------|
| Field of application                     | Dynamic                            |
| Minimum dynamic operating bending radius | 10 (xD)                            |
| Operating temperature, range             | -10 ... 80 °C                      |
| Storage temperature, range               | -40 ... 80 °C                      |
| Oil resistance                           | EN 50363-4-1                       |
| Flame retardant                          | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |



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