



**Reference:** 13-MHM22P09P-V1  
**Country Ref.:** 13-MHM22P09P-V1

#### 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	(9x(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

### Dimensional characteristics

Nominal outer diameter	15.2 mm
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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**

Copper content	183 kg/km
Approximate weight	330 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  
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