



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

### CONTACT

Market information  
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## CHARACTERISTICS

### Construction characteristics

Conductor material	Tinned copper
Insulation	Polyethylene
Shielding	≥85% tinned copper braid coverage
Outer sheath	PVC
Sheath colour	Green RAL 6018

### 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



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

### Usage characteristics

Storage temperature, range	-40 ... 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]
13-MHF24P03R-V1	13-MHF24P03R-V1	RESOLVER PVC [3x (2x0,25 C)] C	(3x(2x0.25)C)C	8.7	65
10553631	13-MHF24P04R-V1	RESOLVER PVC [4x (2x0,25 C)] C	(4x(2x0.25)C)C	9.5	80
13-MHF24P05R-V1	13-MHF24P05R-V1	RESOLVER PVC [5x (2x0,25 C)] C	(5x(2x0.25)C)C	10.5	96
13-MHF24P06R-V1	13-MHF24P06R-V1	RESOLVER PVC [6x (2x0,25 C)] C	(6x(2x0.25)C)C	11.5	111
13-MHF24P09R-V1	13-MHF24P09R-V1	RESOLVER PVC [9x (2x0,25 C)] C	(9x(2x0.25)C)C	14.5	153
10553627	13-MHF22P03R-V1	RESOLVER PVC [3x (2x0,34 C)] C	(3x(2x0.34)C)C	9.4	76
10553628	13-MHF22P04R-V1	RESOLVER PVC [4x (2x0,34 C)] C	(4x(2x0.34)C)C	9.1	94
13-MHF22P05R-V1	13-MHF22P05R-V1	RESOLVER PVC [5x (2x0,34 C)] C	(5x(2x0.34)C)C	11.2	112
10553629	13-MHF22P06R-V1	RESOLVER PVC [6x (2x0,34 C)] C	(6x(2x0.34)C)C	12.5	131
13-MHF22P09R-V1	13-MHF22P09R-V1	RESOLVER PVC [9x (2x0,34 C)] C	(9x(2x0.34)C)C	15.5	183

= Make to order, = In stock,



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