



# E1H0XXXDM43F-CC

Jumper cable assemblies 5 meters or less manufactured with EC1-50-HF (1/4" HIFLEX) cable and soldered 7/16 male connector to 4.3-10 female connector

## FEATURES

- **Superflexible jumper cable with soldered connectors**
- **Excellent return loss (VSWR) values**
- **Very low 3<sup>rd</sup> order intermodulation**

## Technical Features

### Electrical

Nominal impedance ( $\Omega$ )	50 $\pm$ 1
Frequency range (MHz)	10 – 2700
PIM ratio (2 x 20 W carrier 3 <sup>rd</sup> order) (dBc)	$\leq$ -153
Attenuation (dB/ft) at 20° C – without connectors*	
• 960 MHz	0.055
• 1880 MHz	0.079
• 2200 MHz	0.086
• 2700 MHz	0.096

Relative propagation velocity (%)	82
Maximum power rating (W)	100 W @ 2 GHz @ 85° C

### Mechanical

Minimum bending radius (in)	
• Single bend	1.0
• 15 repeated bends	1.0

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5181 110<sup>TH</sup> Ave N, Unit D  
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## Environmental

### Temperature range (°C)

- Installation - 40 to + 60
- Operation - 55 to + 85

### Protection against water ingress

IP 68

### General environmental

Corrosion and UV resistant

### RoHS compliance

Yes

## Torque Specification

### 7/16 male connector (ft-lb)

18

## Return Loss (dB)

### Jumper length less than or equal to 5 meters

0.0 – 2.7 GHz

≤ 24

## Product Reference

E1HXXXXDM43F-CC

E1H

EC1-50-HF (1/4" HIFLEX)

OXXX

Length in centimeters (up to 500 centimeters)

DM

7/16 male connector

43F

4.3-10 female connector

\* Typical values without connectors, the typical connector attenuation (2 connectors) is less than 0.02 dB

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