

# E1H0XXX43M43M-CC

Jumper cable assemblies 5 meters or less manufactured with EC1-50-HF (1/4" HIFLEX) cable and soldered 4.3-10 male connectors, with optional weatherproofing boots

## 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 – 6000
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
• 3500 MHz	0.111
• 5800 MHz	0.148
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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## 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

4.3-10 male connector torque nominal (ft-lb)	6
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## Return Loss (dB)

Jumper length less than or equal to 5 meters	
0.0 – 3.0 GHz	≤ 24
3.0 – 6.0 GHz	≤ 20

## Optional Weatherproofing boot



### FEATURES

- **Additional IP68 protection**
- **Very quick and easy to install**
- **Repeated use**

## Product Reference

E1HXXX43M43M

E1H	EC1-50-HF (1/4" HIFLEX)
OXXX	Length in centimeters (500 centimeters or less)
43M	4.3-10 male connector ("B" in front of connector type includes factory installed weather boot)
43M	4.3-10 male connector ("B" in front of connector type includes factory installed weather boot)

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

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