

# E1H0XXXDM43M-CC

Jumper cable assemblies 5 meters or less manufactured with EC1-50-HF (1/4" HIFLEX) cable and soldered 4.3-10 male connector to 7/16 M connector, 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 – 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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## 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
4.3-10 male connector (ft-lb)	6

## Return Loss (dB)

Jumper length less than or equal to 5 meters	
0.0 – 2.7 GHz	≤ 24

## Optional Weatherproofing boot



### FEATURES

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

## Product Reference

E1HXXXDM43M-CC

E1H	EC1-50-HF (1/4" HIFLEX)
OXXX	Length in centimeters (up to 500 centimeters)
DM	7/16 male connector
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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