

# E1H0XXX43MNM-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 NM 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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5181 110<sup>TH</sup> Ave N, Unit D  
Clearwater, FL 33760



## 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

|                               |   |
|-------------------------------|---|
| N male connector (ft-lb)      | 6 |
| 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

E1HXXX43MNM-CC

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

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

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