

# CommScope 0.5m 3/8" Jumper Cable with 4.3-10 Male to 4.3-10 Male Connectors

SKU: ACC-CS-00052

MPN: F2-HMHM-M5-P

## Description

The CommScope 0.5m 3/8" Jumper Cable (SKU: ACC-CS-00052, Part Number: F2-HMHM-M5-P) is an efficient solution for RF connections, featuring 4.3-10 Male connectors on both ends with a straight, free-hanging design. This medium-duty cable is part of the 3/8" corrugated series, known for its 11.2 mm outer diameter and 3.3 mm inner conductor, making it ideal for short interconnections within large antenna systems and Distributed Antenna Systems (DAS).

With a solid corrugated copper outer conductor, the cable ensures 110 dB of shielding effectiveness and meets low PIM standards, with a 3rd Order PIM rating of -110 dBc. It operates across a broad frequency range and delivers high performance with a VSWR of  $\leq 1.11:1$  and a Return Loss of  $\leq 26.40$  dB at frequencies of 698 MHz, 1700 MHz, and 2200 MHz. These specifications make it suitable for applications requiring reliable, low-loss RF connections.

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# RF Specification

|                 |          |
|-----------------|----------|
| PIM, 3rd Order: | -110 dBc |
|-----------------|----------|

## VSWR Measurement

| Frequency | VSWR     | Return Loss |
|-----------|----------|-------------|
| 698 MHz   | ≤ 1.11:1 | ≤ 26.4 dB   |
| 1700 MHz  | ≤ 1.11:1 | ≤ 26.4 dB   |
| 2200 MHz  | ≤ 1.11:1 | ≤ 26.4 dB   |

# Physical Specification

|          |              |         |       |
|----------|--------------|---------|-------|
| Subtype: | Jumper Cable | Length: | 0.5 m |
|----------|--------------|---------|-------|

## RF Connectors

| RF Interface | Body Shape | Mounting     |
|--------------|------------|--------------|
| 4.3-10 Male  | Straight   | Free Hanging |
| 4.3-10 Male  | Straight   | Free Hanging |

## 3/8 Corrugated

|                           |           |                          |          |
|---------------------------|-----------|--------------------------|----------|
| Min. Frequency:           | 0 GHz     | Max. Frequency:          | 13.5 GHz |
| Impedance:                | 50        | Shielding Effectiveness: | > 110 dB |
| Min. Bend Radius Static:  | 40 mm     | Colour:                  | Black    |
| Min. Bend Radius Dynamic: | 95 mm     | Weight (g/m):            | 120 g    |
| Attenuation @ 1 GHz:      | 0.12 dB/m |                          |          |

# Cable Layers

| Layer           | Diameter | Materials                   |
|-----------------|----------|-----------------------------|
| Inner Conductor | 3.30 mm  | Copper Clad Aluminium (CCA) |
| Dielectric      | 8.30 mm  | Foamed Polyethylene (EPE)   |
| Outer Conductor | 9.60 mm  | Corrugated Copper Tube      |
| Outer Jacket    | 11.20 mm | Polyethylene (PE)           |

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