

# F4-DMDR-2M-SGW-D

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D-CLASS HELIAX® 1/2" SureFlex® Jumper with interface types 7-16 DIN Male and 7-16 DIN Male Right Angle with HELIAX® SureGuard weatherproofing, 2 m

- If there are threads along the entire device port length, the HELIAX® SureGuard weatherproofing solutions will only seal properly if the HSG-M29-ADPT adapter is installed on the device port

## Product Classification

|                       |                                |
|-----------------------|--------------------------------|
| <b>Product Type</b>   | SureFlex® D-CLASS, dynamic PIM |
| <b>Product Brand</b>  | HELIAX®   SureFlex®            |
| <b>Product Series</b> | RSJ4-50                        |

## General Specifications

|   |               |
|---|---------------|
| <b>Body Style, Connector A</b>            | Straight      |
| <b>Body Style, Connector B</b>            | Right angle   |
| <b>Interface, Connector A</b>             | 7-16 DIN Male |
| <b>Interface, Connector B</b>             | 7-16 DIN Male |
| <b>Specification Sheet Revision Level</b> | A             |

## Dimensions

|                     |                |
|---------------------|----------------|
| <b>Length</b>       | 2 m   6.562 ft |
| <b>Nominal Size</b> | 1/2 in         |

## Logo Image

# F4-DMDR-2M-SGW-D



## Electrical Specifications

|  |                                    |
|--|------------------------------------|
| <b>3rd Order IMD Dynamic</b>             | -116 dBm                           |
| <b>3rd Order IMD Dynamic Test Method</b> | Two +43 dBm carriers per IEC 62037 |
| <b>DTF, Connector A</b>                  | -34 dB                             |
| <b>DTF, Connector B</b>                  | -32 dB                             |

## VSWR/Return Loss

| <b>Frequency Band</b> | <b>VSWR</b> | <b>Return Loss (dB)</b> |
|-----------------------|-------------|-------------------------|
| <b>698–960 MHz</b>    | 1.083       | 27.99                   |
| <b>1700–2200 MHz</b>  | 1.083       | 27.99                   |
| <b>2200–2700 MHz</b>  | 1.135       | 23.98                   |
| <b>3400–3800 MHz</b>  | 1.222       | 20.01                   |

## Jumper Assembly Sample Label

# F4-DMDR-2M-SGW-D



## Environmental Specifications

**Immersion Test Method** Meets IEC 60529:2001, IP68 in mated condition

**Weatherproofing Method** HELIAX® SureGuard weatherproofing boot

## Packaging and Weights

**Included** Weatherproofing boot

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



## Included Products

- HSG-FSJ4-DR – HELIAX® SureGuard® Boot for 1/2 in right angle jumpers to antennas or devices

# HSG-FSJ4-DR



HELIAX® SureGuard® Boot for 1/2 in right angle jumpers to antennas or devices

- If there are threads along the entire device port length, the HELIAX® SureGuard weatherproofing solutions will only seal properly if the HSG-M29-ADPT adapter is installed on the device port

## Product Classification

|                      |                                 |
|----------------------|---------------------------------|
| <b>Product Type</b>  | Weatherproofing boot            |
| <b>Product Brand</b> | HELIAX®   SureGuard®            |
| <b>Ordering Note</b> | CommScope® non-standard product |

## General Specifications

|                             |   |
|-----------------------------|---|
| <b>Application</b>          | Provides additional moisture seal for cable connections |
| <b>Applications per Kit</b> | One 1/2 in to antenna or device connection              |
| <b>Color</b>                | Black   |

## Dimensions

|   |                     |
|---|---------------------|
| <b>Width</b>                            | 55 mm   2.165 in    |
| <b>Length</b>                           | 112.5 mm   4.429 in |
| <b>Cable Diameter for Seal, maximum</b> | 13.74 mm   0.541 in |
| <b>Cable Diameter for Seal, minimum</b> | 13.18 mm   0.519 in |
| <b>Inner Diameter</b>                   | 11.3 mm   0.445 in  |
| <b>Nominal Size</b>                     | 1/2 in              |

## Material Specifications

|                      |                 |
|----------------------|-----------------|
| <b>Material Type</b> | Silicone rubber |
|----------------------|-----------------|

## Environmental Specifications

|   |                                      |
|---|--------------------------------------|
| <b>Installation temperature</b>                   | -40 °C to +65 °C (-40 °F to +149 °F) |
| <b>Operating Temperature</b>                      | -40 °C to +85 °C (-40 °F to +185 °F) |
| <b>Storage Temperature</b>                        | -55 °C to +85 °C (-67 °F to +185 °F) |
| <b>UV Resistance Test Method</b>                  | ASTM G154-12a                        |
| <b>UV Resistance, minimum with no degradation</b> | ≥1000 hours                          |

# HSG-FSJ4-DR

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**Weather Resistance Test Method**

IEC 60068-2-11 | IEC 60529:2001, IP68

## Packaging and Weights

**Height, packed**

41 mm | 1.614 in

**Width, packed**

120 mm | 4.724 in

**Length, packed**

140 mm | 5.512 in

**Packaging quantity**

1

**Weight, gross**

27.7 g | 0.061 lb