

# F4-DFDR-2M-SGW-D

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D-CLASS HELIAX® 1/2" SureFlex® Jumper with interface types 7-16 DIN Female and 7-16 DIN Male Right Angle with HELIAX® SureGuard weatherproofing, 2 m (boot on DR end only, and DF end no boot)

- 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 Female
<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

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## 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>	-34 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

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## 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
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

## 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
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## 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