

# F4-DFDR-3M-SGW-D



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, 3 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

Product Type	SureFlex® D-CLASS, dynamic PIM
Product Brand	HELIAX®   SureFlex®
Product Series	RSJ4-50

## General Specifications

Body Style, Connector A	Straight
Body Style, Connector B	Right angle
Interface, Connector A	7-16 DIN Female
Interface, Connector B	7-16 DIN Male
Specification Sheet Revision Level	A

## Dimensions

Length	3 m   9.843 ft
Nominal Size	1/2 in

## Logo Image

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## Electrical Specifications

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

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
698–960 MHz	1.083	27.99
1700–2200 MHz	1.083	27.99
2200–2700 MHz	1.135	23.98
3400–3800 MHz	1.222	20.01

## Jumper Assembly Sample Label

# F4-DFDR-3M-SGW-D



## Environmental Specifications

<b>Immersion Test Method</b>	Meets IEC 60529:2001, IP68 in mated condition
<b>Weatherproofing Method</b>	HELIAX® SureGuard weatherproofing boot

## Packaging and Weights

<b>Included</b>	Weatherproofing boot
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## 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.andrew.com/ProductCompliance">www.andrew.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
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# 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

Product Type	Weatherproofing boot
Product Brand	HELIAX®   SureGuard®
Ordering Note	ANDREW® non-standard product

## General Specifications

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

## Dimensions

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

## Material Specifications

Material Type	Silicone rubber
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## Environmental Specifications

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



# HSG-FSJ4-DR

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