

# F112BK3

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FlexTwist® Flexible Twist for WR112, 7.125–8.5 GHz, with interface types UG-51/U and PBR84, 900 mm

## Product Classification

<b>Product Type</b>	Rectangular waveguide, flexible twist
<b>Product Brand</b>	FlexTwist®

## General Specifications

<b>Component</b>	Flexible Twist
<b>Interface</b>	UG-51/U
<b>Interface 2</b>	PBR84

## Dimensions

<b>Length</b>	900 mm   35.433 in
<b>Waveguide Size</b>	WR112   WG15   R84

## Electrical Specifications

<b>Attenuation</b>	0.4 dB/m   0.122 dB/ft
<b>Average Power</b>	1260 W
<b>Operating Frequency Band</b>	7.125 – 8.5 GHz
<b>Peak Power</b>	315 kW
<b>VSWR</b>	1.05

## Mechanical Specifications

<b>Minimum Bend Radius, Multiple Bends (E Plane)</b>	76 mm   2.992 in
<b>Minimum Bend Radius, Multiple Bends (H Plane)</b>	152 mm   5.984 in
<b>Maximum Twist</b>	264 °/m   80.467 °/ft
<b>Pressurization, maximum</b>	0.241 N/mm <sup>2</sup>   35 psi

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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 [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant/Exempted

