

# F090HLS1

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FlexTwist® Flexible Twist for WR90, 8.2–12.4 GHz, with interface types PDR100 and UDR100, 300 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>	PDR100
<b>Interface 2</b>	UDR100

## Dimensions

<b>Length</b>	300 mm   11.811 in
<b>Waveguide Size</b>	WR90   WG16   R100

## Electrical Specifications

<b>Attenuation</b>	0.43 dB/m   0.131 dB/ft
<b>Average Power</b>	960 W
<b>Operating Frequency Band</b>	8.2 – 12.4 GHz
<b>Peak Power</b>	180 kW
<b>VSWR</b>	1.1

## Mechanical Specifications

<b>Minimum Bend Radius, Multiple Bends (E Plane)</b>	64 mm   2.52 in
<b>Minimum Bend Radius, Multiple Bends (H Plane)</b>	127 mm   5 in
<b>Maximum Twist</b>	310 °/m   94.488 °/ft
<b>Pressurization, maximum</b>	0.31 N/mm <sup>2</sup>   45 psi

## Regulatory Compliance/Certifications

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## Agency

CHINA-ROHS

ISO 9001:2015

REACH-SVHC

ROHS

UK-ROHS

## Classification

Below maximum concentration value

Designed, manufactured and/or distributed under this quality management system

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

Compliant

Compliant

