



Twistable and flexible rectangular waveguide R48, with PDR/UDR 48 flanges. Length = 0.9m, core with environmental impact resistant molded rubber jacket. Hardware and gasket (for PDR/PBR flanges) included.

**FEATURES / BENEFITS**

Waveguide installation

- The flexible and twistable rectangular waveguide component eliminates installation difficulties
- It isolates vibration
- It provides simple aid to positioning of antennas

**Technical features****STRUCTURE**

Type of Rectangular Waveguide Component		TwistFlex
Waveguide Size IEC (EIA)		R48 (WR187)
Flange A		PDR48
Flange B		UDR48
Flange Finish		Brass un-plated
Package Quantity		1

**ELECTRICAL SPECIFICATIONS**

Frequency Range	GHz	3.94 - 5.99
Minimum Return Loss (max. VSWR)	dB (VSWR)	27.3 (1.09)
Attenuation	dB	0.15
Power rating	W	3000

**MECHANICAL SPECIFICATIONS**

Maximum Twist	degree/m (degree/ft)	110 (33.5)
Minimum Bending Radius E-Plane	mm (in)	160 (6.3)
Minimum Bending Radius H-Plane	mm (in)	310 (12.2)
Length	mm (in)	900 (35.4)
Weight	kg (lb)	2.3 (5.1)

**MATERIAL**

Material		Core: Brass silver plated Jacket: Rubber Silicone Flange: Brass
Color		Black

**External Document Links**

[AN 030707-8 Application note for RFS Twistflex](#)

**Notes**