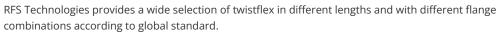
RFS Technologies' twistflex (flexible and twistable) waveguide is used in a wide range of telecommunication and broadcasting applications in both military and commercial areas. It is designed to eliminate installation difficulties and to isolate vibration in both indoor and outdoor environments.

In a typical microwave site, twistflex is used to connect elliptical waveguide with microwave antenna or to connect the outdoor unit (ODU) with antenna. This provides a simple aid to positioning and alignment of the antenna. It is also often used to ease the connection from elliptical waveguide to the radio system in the equipment room.



FEATURES / BENEFITS

- Excellent electrical, mechanical and environmental performance
- Covering frequency band from 4 to 40GHz
- Available in 30cm, 60cm, 90cm and 120cm length for IEC flange models. Special lengths on demand
- · Available in 12in, 24in, 36in and 48in length for EIA flange models. Special lengths on demand
- Fabricated from spiral wound silver painted stripe
- Neoprene jacket is pressure tight, UV and ozone attack resistant, oil and other fluidproof
- Including flange hardware kit

Technical features

STRUCTURE

STROCTORE		
Type of Rectangular Waveguide Component	TwistFlex	
Waveguide Size IEC (EIA)	R100 (WR90)	
Flange A	CPR90G	
Flange B	CPR90G	
Flange Finish	Brass Iridite	
Package Quantity	1	

ELECTRICAL SPECIFICATIONS

Frequency Range	GHz	10.3 - 11.7
Minimum Return Loss (max. VSWR)	dB (VSWR)	36.6 (1.03)

MECHANICAL SPECIFICATIONS

Length	mm (in)	610 (24)

External Document Links

Notes

TF090-CC1-024I REV : B REV DATE : 05 Oct 2023 www.rfstechnologies.com