PRODUCT DATASHEET

TF090-CC1-024I

TwistFlex 24" (0.6 M)-CPR90G



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.

RFS Technologies provides a wide selection of twistflex in different lengths and with different flange combinations according to global standard.

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		
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

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering