

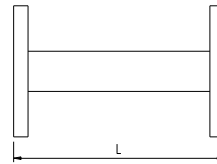


5 Flexible Waveguide

Vector Telecom offers a standard product line of rectangular twistable- flexible waveguides. They are used in requirements where both bending and twisting of the waveguide is needed. For more information feel free to call us and discuss your needs with one of our sales engineers.



5.1 Flexible-Twistable Waveguide



【Specifications】

Model No*	Freq Range (GHz)	VSWR (Max)	IL (dB/m) (Max)	Power (CW) (kW)	Min Radius		Max Twist (deg/m)	WG Type		Flange
					E-Plane (mm)	H-Plane (mm)		IEC	EIA	
VT48WEL...	3.95-5.85	1.15	0.25	2.5	150	300	140	R48	WR187	FDP/FDM
VT58WEL...	4.90-7.05	1.10	0.22	2.5	129	258	170	R58	WR159	FDP/FDM
VT70WEL...	5.85-8.2	1.10	0.25	2.0	100	200	205	R70	WR137	FDP/FDM
	5.85-6.425	1.06	0.25	2.0	100	200	205	R70	WR137	FDP/FDM
	6.425-7.125	1.06	0.25	2.0	100	200	205	R70	WR137	FDP/FDM
	7.15-7.725	1.06	0.25	2.0	100	200	205	R70	WR137	FDP/FDM
	7.725-8.2	1.06	0.25	2.0	100	200	205	R70	WR137	FDP/FDM
VT84WEL...	7.05-10	1.10	0.30	1.5	76	152	262	R84	WR112	FBP/FBM
	7.125-7.725	1.06	0.30	1.5	76	152	262	R84	WR112	FBP/FBM
	7.725-8.5	1.06	0.30	1.5	76	152	262	R84	WR112	FBP/FBM
VT100WEL...	8.20-12.40	1.10	0.40	1	66	132	308	R100	WR90	FBP/FBM
	10.7-11.7	1.06	0.40	1	66	132	308	R100	WR90	FBP/FBM
VT120WEL...	10.0-15.0	1.15	0.50	0.75	63	126	360	R120	WR75	FBP/FBM
	12.75-13.25	1.10	0.50	0.75	63	126	360	R120	WR75	FBP/FBM
	13.75-14.5	1.10	0.50	0.75	63	126	360	R120	WR75	FBP/FBM
VT140WEL...	12.4-18.0	1.15	0.80	0.4	56	112	436	R140	WR62	FBP/FBM
	12.7-13.25	1.10	0.50	0.75	63	126	360	R120	WR75	FBP/FBM
	14.25-15.35	1.10	0.50	0.75	63	126	360	R120	WR75	FBP/FBM
VT180WEL...	15.0-22.0	1.15	1.10	0.2	50	100	445	R180	WR51	FBP/FBM
VT220WEL...	17.7-26.5	1.25	1.25	0.1	38	76	510	R220	WR42	FBP/FBM

Model No*	Freq Range (GHz)	VSWR (Max)	IL (dB/m) (Max)	Power (CW) (kW)	Min Radius		Max Twist (deg/m)	WG Type		Flange
					E-Plane (mm)	H-Plane (mm)		IEC	EIA	
VT220WEL...	21.2-23.6	1.15	1.25	0.1	38	76	510	R220	WR42	FBP/FBM
VT260WEL...	22.0-33.0	1.25	1.50	0.1	35	70	510	R260	WR34	FBP/FBM
VT320WEL...	26.5-40.0	1.25	2.00	0.075	20	40	510	R320	WR28	FBP/FBM
VT400WEL...	40.5-43.5	1.30	2.70	0.025	18	36	510	R400	WR22	FUGP

*Indicates Model Number. See Ordering Information for complete part number.

5.2 Flexible Seamless Waveguide



【Specification】

Model No*	Freq Range (GHz)	VSWR (Max)	IL (dB/m) (Max)	Pressure (Mpa) (Max)	Power (CW) (kW)	MIN BEND RADIUS (mm)		WG Type		Flange
						E Plane	H Plane	IEC	EIA	
VT14WWEL...	1.20-1.70	1.10	0.12	0.20	20	500	1000	R14	WR650	FDP/FDM
VT22WWEL...	1.70-2.60	1.10	0.15	0.20	20	312	624	R22	WR430	FDP/FDM
VT26WWEL...	2.17-3.30	1.10	0.15	0.20	20	260	520	R26	WR340	FDP/FDM
VT32WWEL...	2.60-3.95	1.10	0.15	0.20	10	204	408	R32	WR284	FDP/FDM
VT40WWEL...	3.3-4.90	1.10	0.17	0.20	8	166	332	R40	WR229	FDP/FDM
VT48WWEL...	3.95-5.85	1.10	0.24	0.20	6.5	160	320	R48	WR187	FDP/FDM
VT58WWEL...	4.90-7.05	1.12	0.26	0.20	6	129	258	R58	WR159	FDP/FDM
VT70WWEL...	5.85-8.20	1.12	0.3	0.20	5	100	200	R70	WR137	FDP/FDM
VT84WWEL...	7.05-10.0	1.12	0.35	0.20	4	76	152	R84	WR112	FBP/FBM
VT100WWEL...	8.20-12.40	1.12	0.45	0.20	2	66	132	R100	WR90	FBP/FBM
VT120WWEL...	10.0-15.0	1.12	0.65	0.20	1.5	63	126	R120	WR75	FBP/FBM
VT140WWEL...	12.4-18.0	1.15	0.74	0.20	1	56	112	R140	WR62	FBP/FBM
VT180WWEL...	14.5-22.0	1.15	1.15	0.20	0.5	50	100	R180	WR51	FBP/FBM
VT220WWEL...	17.7-26.5	1.22	1.20	0.20	0.3	38	76	R220	WR42	FBP/FBM
VT260WWEL...	21.7-33.0	1.25	1.25	0.20	0.2	35	70	R260	WR34	FBP/FBM
VT320WWEL...	26.5-40.0	1.33	1.30	0.20	0.15	20	40	R320	WR28	FBP/FBM

*Indicates Model Number. See Ordering Information for complete part number.

05

Flexible Waveguide



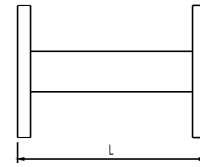
VectorTelecom Pty Ltd

Website: www.vectortele.com

Email: sales@vectortele.com



5.3 Double Ridged Twistable-Flexible Waveguide



Model No*	Freq Range (GHz)	VSWR (Max)	IL(dB/m) (Max)	Min Radius		WG Type	Flange
				E-Plane (mm)	F-Plane (mm)	IEC	
VT580DRWEL...	5.8-16	1.25	1.50	105	210	RD580	FP/FM
VT650DRWEL...	6.5-18	1.30	1.65	90	180	RD650	FP/FM
VT750DRWEL...	7.5-18	1.30	1.65	85	170	RD750	FP/FM
VT1800DRWEL...	18-40	1.50	3.42	55	110	RD1800	FP/FM

*Indicates Model Number. See Ordering Information for complete part number.

【Ordering Information】

Example Part No: VT 100 WEL 900 P M C

Vector Telecom — VT
 WG Type: R100 — 100
 Product Type: Twistable-Flexible WG — WEL
 WWEL: Flexible Seamless WG — 900
 DRWEL: Double Ridged Twistable-Flexible WG —
 Material: C=Copper — C
 Flange 2 Type: M=FBM100 — M
 Flange 1 Type: P=FBP100 — P
 WG Length: L=900mm — 900

- Flange type: Multiple types available - see VT Flanges page
- Finish: Corrosion protection plus black top coat
- Std lengths (mm): 100, 200, 300, 500, 600, 900, 1000
- Supplied with Neoprene jacket in order to hold pressure, as a standard model