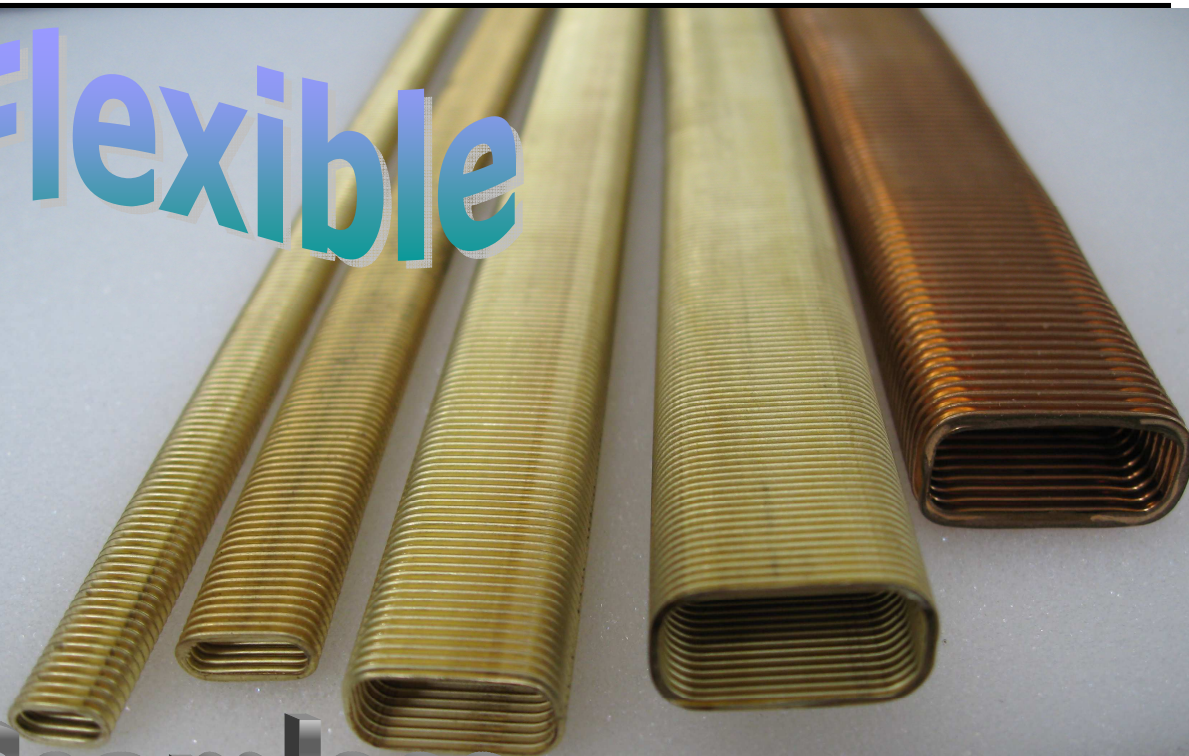


**Microwavefilters® & **

**Flexible**



**Seamless**

**Waveguide**

**Microwavefilters & TVC srl**

Via G. Cavalcanti, 10 - 20063 Cernusco s/N (MI) - ITALY  
Tel. +39-02-92162703 Fax. +39-02-92162705

[info@mw-tvc.com](mailto:info@mw-tvc.com) [www.mw-tvc.com](http://www.mw-tvc.com)

# Microwavefilters® &

We offer high-performance flexible waveguides of all sizes, from R32 to R400, using a unique, seamless and high-precision forming process.

**Flexible Seamless WG**

IEC R	EIA WR	Frequency Range (GHz)	Return Loss (dB)			IL dB/m	CW Power Watt	Peak Power kW
			300 mm	600 mm	1000 mm			
32	284	2.6 – 3.95	31.4	30.0	29.5	0.11	4000	2200
40	229	3.22 – 4.90	31.0	29.5	28.8	0.15	4000	1800
48	187	3.94 – 5.99	31.0	28.8	28.3	0.16	3000	1400
58	159	4.64 – 7.05	31.0	28.3	27.8	0.18	2500	600
70	137	5.38 – 8.18	30.2	27.8	27.3	0.28	2000	560
84	112	6.58 – 10.0	30.2	27.3	27.1	0.30	1500	330
100	90	8.20 – 12.5	30.2	27.1	27.0	0.40	1000	220
120	75	9.84 – 15.0	29.4	27.0	26.4	0.50	750	180
140	62	11.9 – 18.0	29.4	26.4	26.0	0.80	400	120
180	51	14.5 – 22.0	26.4	25.0	24.5	1.00	200	85
220	42	17.6 – 26.7	23.0	22.1	21.1	1.20	100	45
260	34	21.7 – 33.0	22.1	21.0	20.0	1.50	85	31
320	28	26.4 – 40.1	21.0	17.7	17.1	2.00	75	22
400	22	33.0 – 50.1	20.0	16.5	16.0	2.50	25	12

IEC R	EIA WR	Minimum Center Line Bending Radii			
		Static E-Plane (mm)	Static H-Plane (mm)	Repeated E-Plane (mm)	Repeated H-Plane (mm)
32	284	206	412	824	1648
40	229	166	332	654	1328
48	187	136	272	544	1088
58	159	116	232	464	928
70	137	100	200	400	800
84	112	82	164	328	656
100	90	66	132	264	528
120	75	54	108	216	432
140	62	46	92	184	368
180	51	38	76	152	304
220	42	30	60	120	240
260	34	24	48	96	192
320	28	20	40	80	160
400	22	18	38	78	158

