



EW MICROWAVE CABLE – HIGH PERFORMANCE FLEXIBLE

- LOW LOSS
- 100+ dB SHIELDING EFFECTIVENESS
- PHASE STABLE OVER FLEXURE AND TEMPERATURE
- PRECISION 2.4mm, 2.92mm, 3.5mm, SMA, TNC, and N-type CONNECTORS AVAILABLE
- RUGGEDIZED VERSION AVAILABLE – EWRxxx

	EW110	EW140	EW150	EW200	EW292
Cable O.D.	0.110"	0.140"	0.145"	0.190"	0.295"
Jacket	FEP	FEP	FEP	FEP	FEP
Outer Conductor	SPC Foil + 95% SPC Braid	SPC Foil + 95% SPC Braid	SPC Foil + 95% SPC Braid	SPC Foil + 95% SPC Braid	SPC Foil + 95% SPC Braid
Dielectric	ePTFE	ePTFE	ePTFE	ePTFE	ePTFE
Center conductor diameter	0.020"	0.032"	0.036"	0.051"	0.089"
Center conductor	SPC	SPC	SPC	SPC	SPC
Impedance	50	50	50	50	50
Vp (%)	75	80	80	83	83
Cutoff Freq.	65	50	40	32	18
Static bend radius (centerline)	.500"	0.750"	0.750"	1.00"	1.50"
Dynamic bend radius	10X OD	10X OD	10X OD	10X OD	10X OD
Temperature range (C)	-55 to 200	-55 to 200	-55 to 200	-55 to 200	-55 to 200
Weight (lb/100ft)	1.5	2.1	2.2	3.4	6.8

NOTE:

1. SPC = SILVER PLATED COPPER
2. ePTFE = EXPANDED TEFLON

ATTENUATION (dB/ft)					
FREQUENCY (GHz)	EW110	EW140	EW150	EW200	EW292
1	0.20	0.12	0.10	0.08	0.05
2	0.30	0.20	0.15	0.12	0.07
4	0.45	0.28	0.23	0.18	0.09
8	0.66	0.38	0.32	0.23	0.13
12	0.80	0.45	0.40	0.28	0.17
18	0.96	0.55	0.48	0.35	0.22
26	1.17	0.68	0.60	0.45	
32	1.32	0.77	0.66	0.50	
40	1.50	0.88	0.75		
50	1.70	1.00			



POWER HANDLING (WATTS)					
FREQUENCY (GHz)	EW110	EW140	EW150	EW200	EW292
1	230	425	540	800	1900
2	150	275	350	600	1400
4	100	190	250	400	900
8	80	150	175	275	650
12	65	125	140	220	550
18	50	100	110	190	450
26	40	75	95	175	
32	38	70	85	160	
40	30	60	80		
50	28	50			

