

Wideband Coaxial Cables

RF8(3/8")

Construction

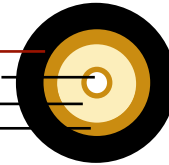
Inner conductor	Copper clad Aluminium	Φ3.05 mm
Dielectric	Foam PE	Φ8.64 mm
Outer conductor	Corrugated copper	Φ9.65 mm
Sheath	PE/LSOH	Φ11.18 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.48 Ohm/Km
Outer conductor resistance	2.85 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	4 KV
Cable weight (approx.)	120 kg/km
Operating Frequency Band	1 – 13 GHz
Screening effectiveness	>120dB



PE/LSOH sheath
Copper clad Aluminum inner conductor
Foam PE dielectric
Corrugated copper tube



Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)	Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
10	1.06	0.32	2000	16.97	5.17
100	3.42	1.04	2100	17.44	5.32
150	4.22	1.29	2200	17.91	5.46
200	4.90	1.49	2300	18.37	5.60
300	6.06	1.85	2500	19.26	5.87
450	7.51	2.29	2700	20.12	6.13
500	7.95	2.42	3000	21.38	6.52
700	9.52	2.90	4000	25.26	7.70
800	10.23	3.12	5000	28.81	8.78
900	10.87	3.31	6000	32.12	9.79
1000	11.55	3.52	8000	38.24	11.66
1500	14.45	4.41	8800	40.55	12.36
1700	15.49	4.72	10000	43.89	13.38
1800	15.99	4.88	12000	49.21	15.00

Return Loss

806-960 MHz	23dB
1700-2000 MHz	23dB

