

Wideband Coaxial Cables

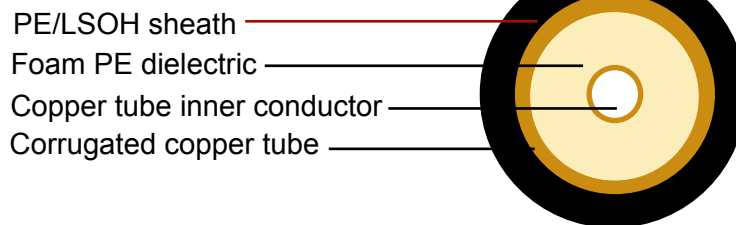
RF32(1-1/4")

Construction

Inner conductor	Copper tube	Φ13.1 mm
Dielectric	Foam PE	Φ32.8 mm
Outer conductor	Corrugated copper	Φ36.0 mm
Sheath	PE/LSOH	Φ38.6 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	0.76 Ohm/Km
Outer conductor resistance	0.60 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	9 KV
Cable weight (approx.)	940 kg/km
Operating Frequency Band	1 – 3300 MHz
Screening effectiveness	>120dB



Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)	Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
10	0.24	0.08	1250	3.19	1.06
100	0.79	0.26	1500	3.55	1.18
150	0.98	0.33	1700	3.83	1.28
200	1.15	0.38	1800	3.96	1.32
300	1.43	0.48	2000	4.22	1.41
450	1.78	0.59	2100	4.34	1.45
500	1.89	0.63	2200	4.47	1.49
700	2.29	0.76	2300	4.59	1.53
800	2.47	0.82	2500	4.83	1.61
900	2.63	0.88	2700	5.06	1.69
1000	2.80	0.93	3000	5.40	1.80

Return Loss

806-960 MHz	24.29dB
1700-2000 MHz	24.29dB

