



Caledonian

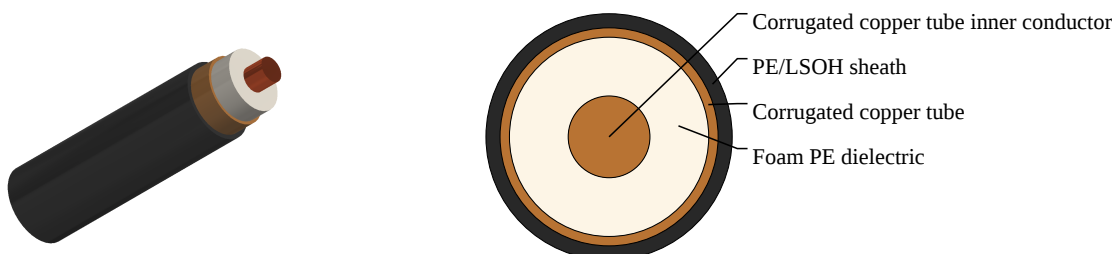
Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

50 Ohm Wideband Coaxial Cables

RF42(1-5/8")



Construction

Inner conductor	Corrugated copper tube	Φ17.4 mm
Dielectric	Foam PE	Φ42.8 mm
Outer conductor	Corrugated copper	Φ46.5 mm
Sheath	PE/LSOH	Φ49.5 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	0.82 Ohm/Km
Outer conductor resistance	0.43 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	11 KV
Cable weight (approx.)	1340kg/km
Operating Frequency Band	1 – 2700 MHz
Screening effectiveness	>120dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	0.2	0.06
100	0.67	0.2
150	0.83	0.25
200	0.98	0.3



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300	1.22	0.37
450	1.53	0.47
500	1.63	0.5
700	1.97	0.6
800	2.13	0.65
900	2.28	0.69
1000	2.43	0.74
1500	3.1	0.94

Return Loss

806-960 MHz	24.3dB
1700-2000 MHz	24.3dB