



Caledonian

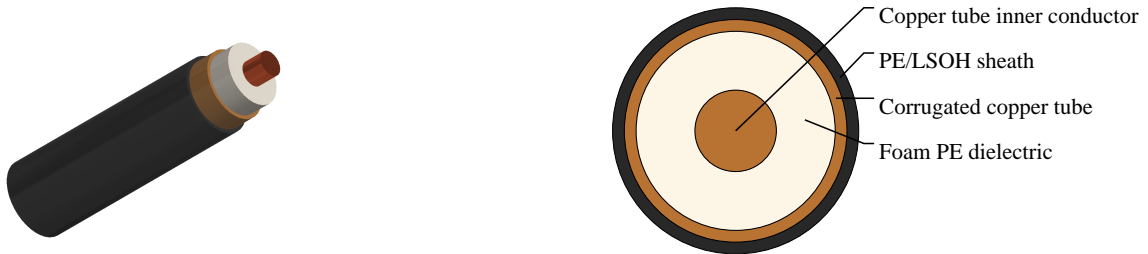
Coaxial Cables

www.caledonian-cables.com

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50 Ohm Wideband Coaxial Cables

RF22(7/8")



Construction

Inner conductor	Copper tube	Φ9 mm
Dielectric	Foam PE	Φ22.3 mm
Outer conductor	Corrugated copper	Φ24.9 mm
Sheath	PE/LSOH	Φ27.5 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	75 pF/m
Velocity of propagation	89%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.05 Ohm/Km
Outer conductor resistance	1.18 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	6 KV
Cable weight (approx.)	490 kg/km
Operating Frequency Band	1 – 5000 MHz
Screening effectiveness	>120dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	0.37	0.11
100	1.19	0.36
150	1.48	0.45
200	1.72	0.52



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300	2.13	0.65
450	2.65	0.81
500	2.81	0.86
700	3.38	1.03
800	3.63	1.11
900	3.87	1.18
1000	4.12	1.26
1500	5.18	1.58

Return Loss

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