



Caledonian

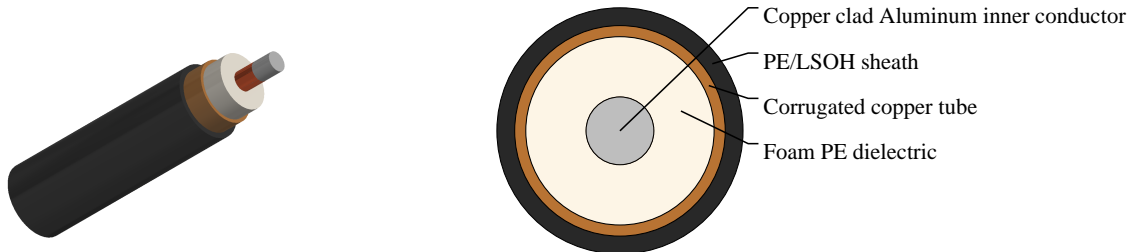
Coaxial Cables

www.caledonian-cables.com

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50 Ohm 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 MHz
Screening effectiveness	>120dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	1.06	0.32
100	3.42	1.04
150	4.22	1.29
200	4.9	1.49



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300	6.06	1.85
450	7.51	2.29
500	7.95	2.52
700	9.52	2.9
800	10.23	3.12
900	10.87	3.31
1000	11.55	3.52
1500	14.45	4.41

Return Loss

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