



Caledonian

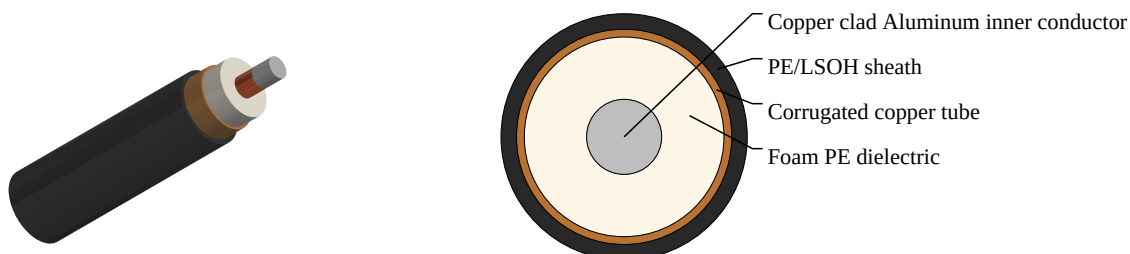
Coaxial Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

50 Ohm Wideband Coaxial Cables

RF12(1/2")



Construction

Inner conductor	Copper clad Aluminium	Φ4.83 mm
Dielectric	Foam PE	Φ12.95 mm
Outer conductor	Corrugated copper	Φ13.97 mm
Sheath	PE/LSOH	Φ15.88 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	1.48 Ohm/Km
Outer conductor resistance	1.9 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	4 KV
Cable weight (approx.)	220 kg/km
Operating Frequency Band	1 – 8800 MHz
Screening effectiveness	>120dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	0.67	0.2
100	2.17	0.66
150	2.67	0.81
200	3.1	0.95



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300	3.84	1.17
450	4.75	1.45
500	5.02	1.53
700	6.01	1.83
800	6.46	1.97
900	4.86	2.09
1000	7.28	2.22
1500	9.09	2.77

Return Loss

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