



Caledonian

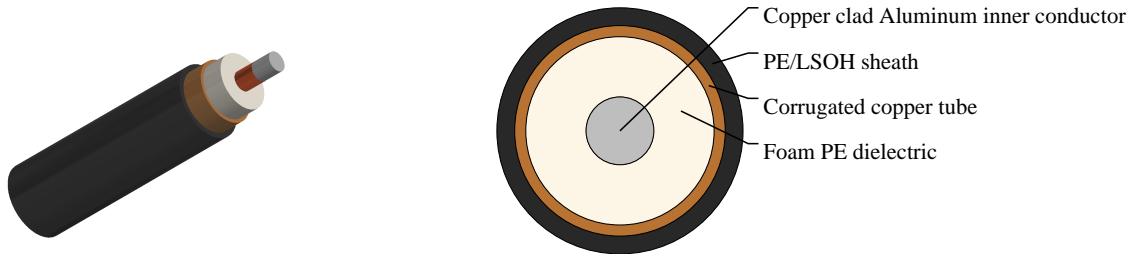
Coaxial Cables

www.caledonian-cables.com

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50 Ohm Wideband Coaxial Cables

RF6(1/4")



Construction

Inner conductor	Copper clad Aluminium	Φ2.54 mm
Dielectric	Foam PE	Φ6.89 mm
Outer conductor	Corrugated copper	Φ7.87 mm
Sheath	PE/LSOH	Φ8.89 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	76.8 pF/m
Velocity of propagation	86%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	5.15 Ohm/Km
Outer conductor resistance	4 Ohm/Km
Installation temperature range	-40°C - +60 °C
Operating temperature range	-55°C - +85°C
Test voltage	4 KV
Cable weight (approx.)	90 kg/km
Operating Frequency Band	1 – 15.8 MHz
Screening effectiveness	>120dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	1.25	0.38
100	4.05	1.23
150	4.99	1.52
200	5.8	1.77



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300	7.17	2.19
450	8.88	2.71
500	9.39	2.86
700	11.24	3.43
800	12.08	3.68
900	12.84	3.91
1000	13.64	4.16
1500	17.04	5.2

Return Loss

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