



Caledonian

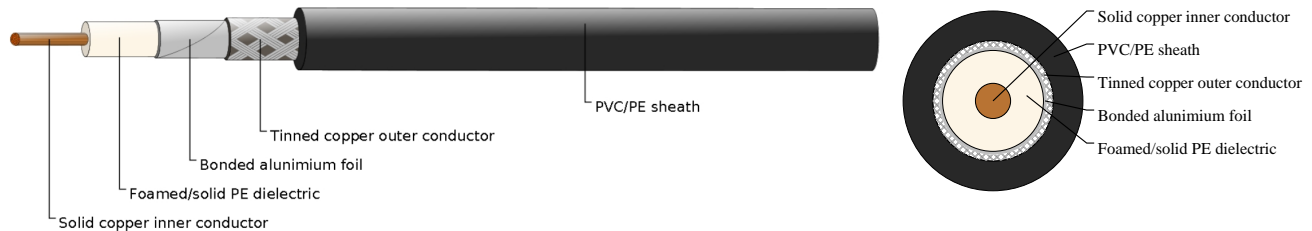
Coaxial Cables

www.caledonian-cables.com

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50 Ohm RF Coaxial Cables

3D-FB



Construction

Inner conductor	Solid copper	Φ1.07 mm
Dielectric	Foam /Solid PE	Φ3.0±0.02 mm
Shield	Bonded aluminium foil	Φ3.2 mm
Outer conductor	Tinned copper braid	Φ3.6 mm
Shield coverage	/	85%
Outer sheath	PVC/PE	Φ5.4 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	82 pF/m
Velocity of propagation	81%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	19.2(65.2) Ohm/Km
Outer conductor resistance	16.3Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	27 mm

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	10.4	3.2
150	13	4
280	17.5	5.3
350	19.5	5.9
400	21	6.4
800	30	9.1
900	31.6	9.6



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1200	37	11.3
1500	41.5	12.6
1800	45.6	13.9
1900	46.9	14.3
2000	48.2	14.7