



Caledonian

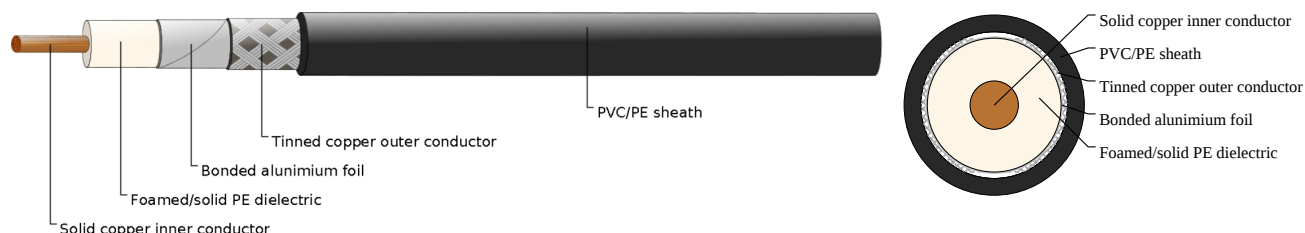
Coaxial Cables

www.caledonian-cables.com

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50 Ohm RF Coaxial Cables

7D-FB



Construction

Inner conductor	Solid copper	Φ2.6 mm
Dielectric	Foam /Solid PE	Φ7.3±0.02 mm
Shield	Bonded aluminium foil	Φ7.5 mm
Outer conductor	Tinned copper braid	Φ8 mm
Shield coverage	/	85%
Outer sheath	PVC/PE	Φ9.8 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	82 pF/m
Velocity of propagation	82%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.3(5.0) Ohm/Km
Outer conductor resistance	9.3 Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	49 mm

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	4.3	1.3
150	5.3	1.6
280	7.3	2.2
350	8.3	2.5
400	9	2.7
800	13.1	4
900	14.2	4.3



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1200	16.7	5.1
1500	19	5.8
1800	21.2	6.5
1900	21.8	6.6
2000	22.5	6.9