



Caledonian

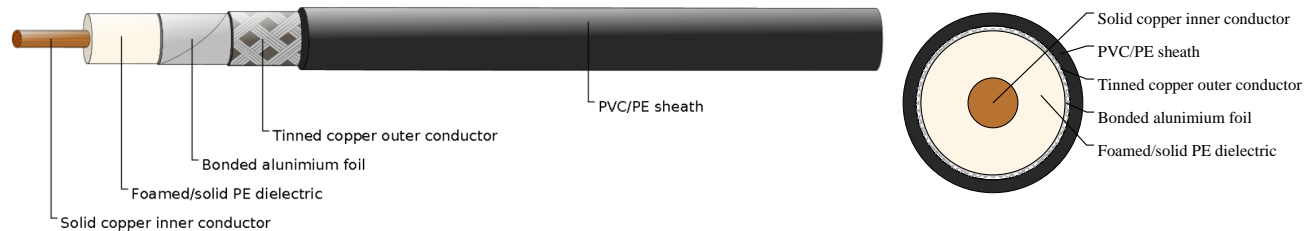
Coaxial Cables

www.caledonian-cables.com

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50 Ohm RF Coaxial Cables

12D-FB



Construction

Inner conductor	Solid copper	Φ4.4 mm
Dielectric	Foam /Solid PE	Φ12.4±0.02 mm
Shield	Bonded aluminium foil	Φ12.6 mm
Outer conductor	Tinned copper braid	Φ13.2 mm
Shield coverage	/	85%
Outer sheath	PVC/PE	Φ15.6 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	83 pF/m
Velocity of propagation	81%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.2(1.8) Ohm/Km
Outer conductor resistance	4.5 Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	78 mm
Screening effectiveness	>90 dB
Return loss	>20 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	2.7	0.8
150	3.6	1
280	4.6	1.4
350	5.2	1.6
400	6	1.7



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800	8.5	2.6
900	9.3	2.8
1200	10.8	3.3
1500	12.3	3.7
1800	13.7	4.2
1900	14.2	4.3
2000	14.6	4.5