



Caledonian

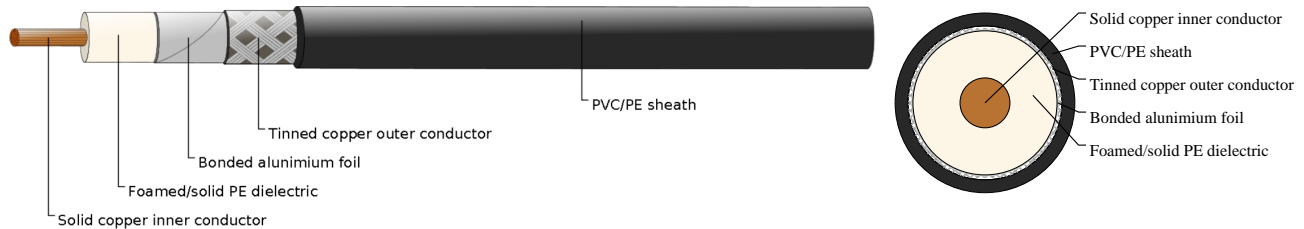
Coaxial Cables

www.caledonian-cables.com

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50 Ohm RF Coaxial Cables

10D-FB



Construction

Inner conductor	Solid copper	Φ3.5 mm
Dielectric	Foam /Solid PE	Φ10±0.02 mm
Shield	Bonded aluminium foil	Φ10.2 mm
Outer conductor	Tinned copper braid	Φ10.8 mm
Shield coverage	/	85%
Outer sheath	PVC/PE	Φ13 mm

Electrical Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	84 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.8(2.8) Ohm/Km
Outer conductor resistance	6.4 Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	65mm
Screening effectiveness	>90 dB
Return loss	>20 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	3.2	1
150	4.1	1.2
280	5.6	1.7
350	6.3	1.9
400	7	2.1



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800	10.2	3.1
900	11	3.4
1200	13.1	4
1500	15.3	4.6
1800	16.8	5.1
1900	17.4	5.3
2000	18	5.5