



Caledonian

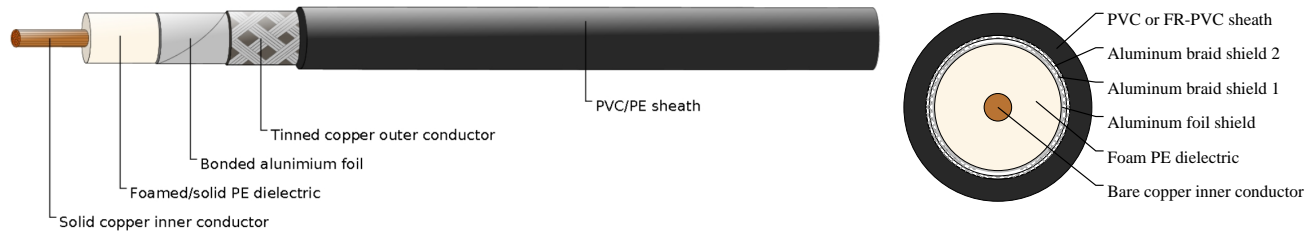
Coaxial Cables

www.caledonian-cables.com

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TV Coaxial Cables

17 VATC



Construction

Inner conductor	Bare copper/Copper clad steel(CCS)	Φ1.13 mm
Dielectric	Foam PE	Φ4.80 mm
Outer conductor(shield 1)	Aluminum Foil	Φ4.95 mm
Shield coverage	/	100%
Outer conductor(shield)	Aluminum wire braid (Type 1)	64x0.12 mm
Shield coverage	/	45%
Outer conductor (shield 2)	Aluminum wire braid (Type 2)	48x0.12 mm
Shield coverage 2	/	35%
Sheath	PVC/FR-PVC	Φ6.80 mm

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	85%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	16.8 Ohm/Km
Operating temperature range	-25°C - 75°C
Screening effectiveness	>70 dB (5-1000MHz)

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3.7	1.13
100	5.5	1.68
200	8.1	2.47
400	11.7	3.57
800	17	5.18



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950	18.7	5.7
1350	22.8	6.95
1750	26.4	8.05
2150	29.8	9.09
3000	36.2	11.04

Return Loss

5-470 MHz	>25dB
470-3000 MHz	>20dB