



Caledonian

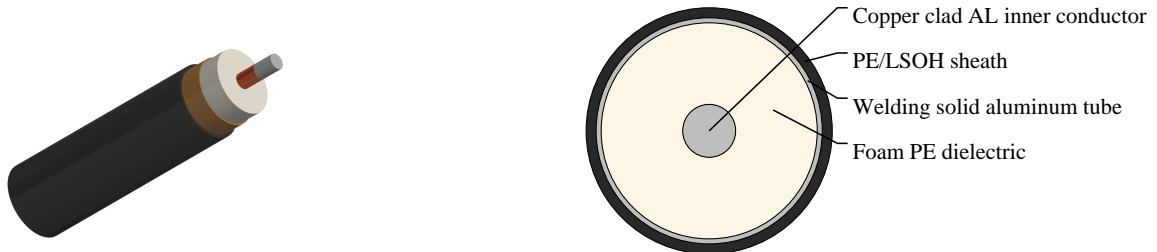
Coaxial Cables

www.caledonian-cables.com

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75Ohm Trunk Coaxial Cables

AQR715



Construction

Inner conductor	Copper clad Aluminium or copper	Φ4.22 mm
Dielectric	Foam PE	Φ17.42 mm
Outer conductor	Welding solid aluminum tube	Φ18.16 mm
Sheath	PE/LSOH	Φ19.94 mm
Messenger	/	optional

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.91 Ohm/Km
Outer conductor resistance	1.37 Ohm/Km
Installation temperature range	-40°C - +85 °C
Operating temperature range	-40°C - +85 °C
Screening effectiveness	135 dB
Cable weight (approx.)	215 kg/km

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5	0.36	0.11
55	1.18	0.36
250	2.66	0.81
300	2.92	0.89
350	3.18	0.97



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400	3.44	1.05
450	3.67	1.12
500	3.9	1.19
550	4.1	1.25
600	4.3	1.31
750	4.89	1.49
865	5.31	1.62

Return Loss

5-30 MHz	>30dB
30-470 MHz	>30dB
470-1000 MHz	>30dB