



**Caledonian**

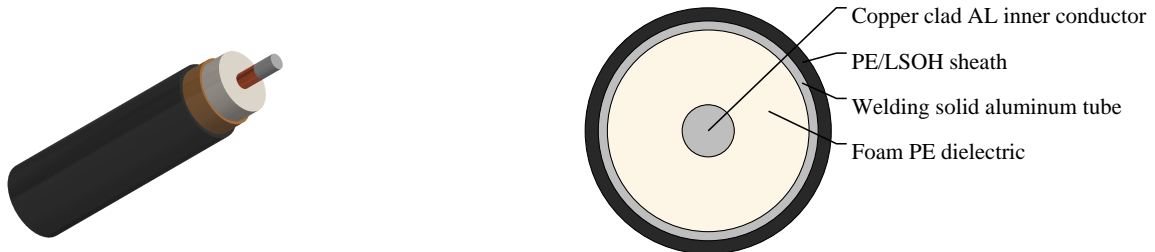
Coaxial Cables

www.caledonian-cables.com

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## 75Ohm Trunk Coaxial Cables

AQR860



### Construction

Inner conductor	Copper clad Aluminium or copper	Φ5.16 mm
Dielectric	Foam PE	Φ20.03 mm
Outer conductor	Welding solid aluminum tube	Φ21.84 mm
Sheath	PE/LSOH	Φ24.38 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	1.9 Ohm/Km
Outer conductor resistance	1.06 Ohm/Km
Installation temperature range	-40°C - +85 °C
Operating temperature range	-40°C - +85 °C
Screening effectiveness	135 dB
Cable weight (approx.)	316 kg/km

### Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5	0.3	0.09
55	1.05	0.32
250	2.3	0.7
300	2.49	0.76
350	2.72	0.83



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400	2.89	0.88
450	3.12	0.95
500	3.28	1
550	3.48	1.06
600	3.61	1.1
750	4.07	1.24
865	4.36	1.33

## Return Loss

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