



Caledonian

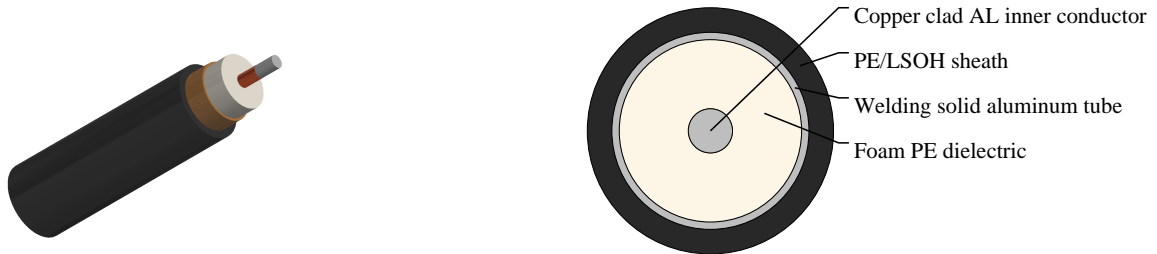
Coaxial Cables

www.caledonian-cables.com

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75Ohm Trunk Coaxial Cables

AQR320



Construction

Inner conductor	Copper clad Aluminium or copper	Φ1.80 mm
Dielectric	Foam PE	Φ7.47 mm
Outer conductor	Welding solid aluminum tube	Φ8.13 mm
Sheath	PE/LSOH	Φ10.03 mm
Messenger	/	optional

Electrical Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	87%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	10.6 Ohm/Km
Outer conductor resistance	3.25 Ohm/Km
Installation temperature range	-40°C - +85 °C
Operating temperature range	-40°C - +85 °C
Screening effectiveness	135 dB
Cable weight (approx.)	70 kg/km

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5	0.79	0.24
55	2.76	0.84
250	6.1	1.86
300	6.69	2.04
350	7.38	2.25



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400	7.81	2.38
450	8.27	2.52
500	8.92	2.72
550	9.35	2.85
600	9.78	2.98
750	10.96	3.34
865	11.87	3.62

Return Loss

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