

# Trunk Coaxial Cables

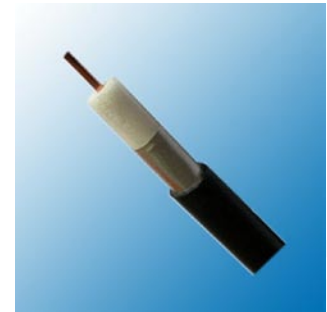
## AQR715

### Construction

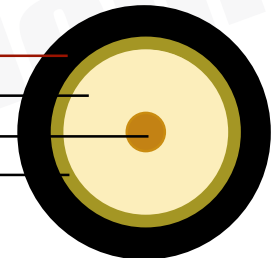
Inner conductor	Copper-clad Aluminium wire	Φ4.22 mm
Dielectric	Foam PE	Φ17.42 mm
Outer conductor	Welding smooth aluminum tube	Φ18.16 mm
Sheath	PE/LSOH	Φ19.94 mm
Messenger		optional

### 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



PE/LSOH sheath  
Foam dielectric  
Copper clad AL inner conductor  
Welding solid aluminum tube



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
5	0.36	0.11
50	1.18	0.36
250	2.66	0.81
300	2.92	0.89
350	3.18	0.97
400	3.44	1.05
450	3.67	1.12
500	3.90	1.19
550	4.10	1.25
600	4.30	1.31
750	4.89	1.49
865	5.31	1.62
1000	5.74	1.75

### Return Loss

5-30 MHz	≥30dB
30-470 MHz	≥30dB
470-1000 MHz	≥30dB