

Trunk Coaxial Cables

AQR540

Construction

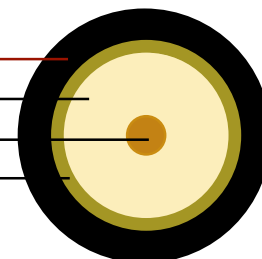
Inner conductor	Copper-clad Aluminium	Φ3.15 mm
Dielectric	Foam PE	Φ13.05 mm
Outer conductor	Welding solid aluminum tube	Φ13.72 mm
Sheath	PE/LSOH	Φ15.49 mm
Messenger		optional

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.43 Ohm/Km
Outer conductor resistance	1.92 Ohm/Km
Installation temperature range	-40°C - +85°C
Operating temperature range	-40°C - +85°C
Screening effectiveness	135 dB
Cable weight (approx.)	136 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	0.46	0.14
50	1.54	0.47
250	3.38	1.03
300	3.71	1.13
350	4.03	1.23
400	4.33	1.32
450	4.59	1.40
500	4.89	1.49
550	5.12	1.56
600	5.38	1.64
750	6.07	1.85
865	6.56	2.00
1000	7.12	2.17

Return Loss

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

