

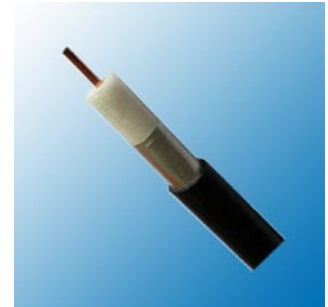
AQR1125

Construction

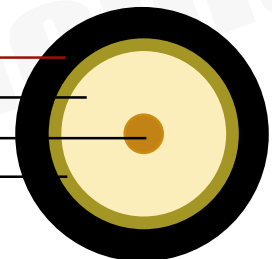
Inner conductor	Copper-clad Aluminium wire	Φ6.68 mm
Dielectric	Foam PE	Φ25.58 mm
Outer conductor	Welding solid aluminum tube	Φ27.46 mm
Sheath	PE/LSOH	Φ31.12 mm
Messenger		optional

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	87%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	0.76 Ohm/Km
Outer conductor resistance	0.61 Ohm/Km
Installation temperature range	-40°C - +85°C
Operating temperature range	-40°C - +85°C
Screening effectiveness	135 dB
Cable weight (approx.)	506 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	0.23	0.07
55	0.76	0.23
250	1.77	0.54
300	1.94	0.59
350	2.13	0.65
400	2.30	0.70
450	2.46	0.75
500	2.62	0.80
550	2.76	0.84
600	2.96	0.90
750	3.31	1.01
865	3.64	1.11
1000	3.94	1.20

Return Loss

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