

75Ohm Trunk Coaxial Cables

AQR1125

AQR860

AQR715

AQR540

AQR320

AQR1125

Construction

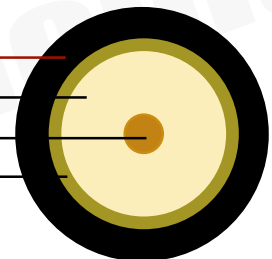
Inner conductor	Copper-clad Aluminium wire	Φ6.68 mm
Dielectric	Foam PE	Φ25.58 mm
Outer conductor	Welding solid aluminum tube	Φ27.46 mm
Sheath	PE/LSOH	Φ31.12 mm
Messenger		optional

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

Trunk Coaxial Cables

AQR860

Construction

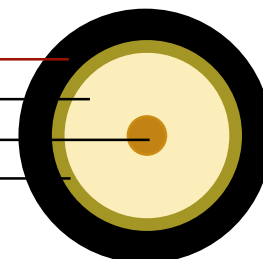
Inner conductor	Copper-clad Aluminium wire	Φ5.16 mm
Dielectric	Foam PE	Φ20.03 mm
Outer conductor	Welding smooth aluminum tube	Φ21.84 mm
Sheath	PE/LSOH	Φ24.38 mm
Messenger		optional

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	88%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	1.90 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



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	0.30	0.09
50	1.05	0.32
250	2.30	0.70
300	2.49	0.76
350	2.72	0.83
400	2.89	0.88
450	3.12	0.95
500	3.28	1.00
550	3.48	1.06
600	3.61	1.10
750	4.07	1.24
865	4.36	1.33
1000	4.72	1.44

Return Loss

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



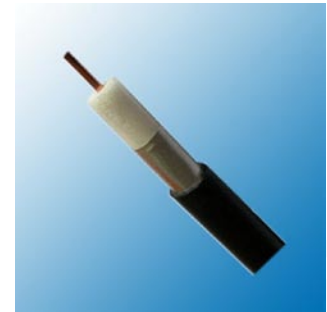
AQR715

Construction

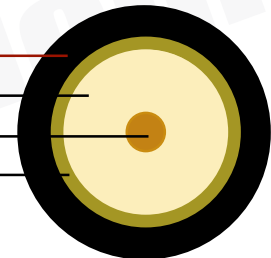
Inner conductor	Copper-clad Aluminium wire	Φ4.22 mm
Dielectric	Foam PE	Φ17.42 mm
Outer conductor	Welding smooth aluminum tube	Φ18.16 mm
Sheath	PE/LSOH	Φ19.94 mm
Messenger		optional

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

Trunk Coaxial Cables

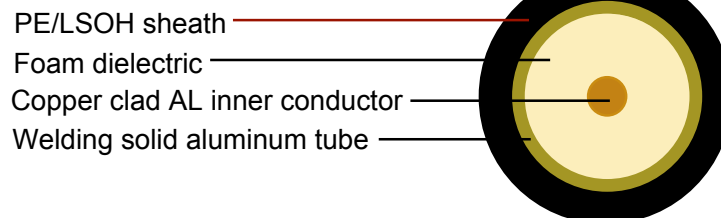
AQR540

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



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



Trunk Coaxial Cables

AQR320

Construction

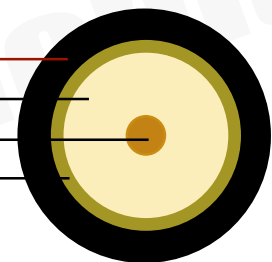
Inner conductor	Copper-clad Aluminium wire	Φ1.80 mm
Dielectric	Foam PE	Φ7.47 mm
Outer conductor	Welding solid aluminum tube	Φ8.13 mm
Sheath	PE/Flame retardant PE	Φ10.03 mm
Messenger		optional

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



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	0.79	0.24
55	2.76	0.84
250	6.10	1.86
300	6.69	2.04
350	7.38	2.25
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
1000	12.76	3.89

Return Loss

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