

TV Coaxial Cables

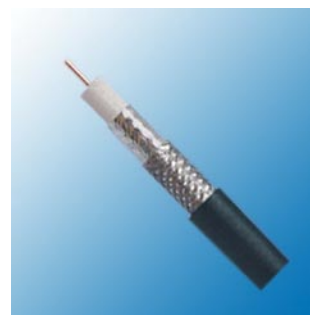
17 VATC

Construction

Inner conductor	Bare copper/Copper clad steel(CCS)	Φ1.13 mm
Dielectric	Foam PE	Φ4.80 mm
Outer conductor (shield 1)	Aluminum Foil	Φ4.95 mm
Shield coverage 1		100%
Outer conductor (shield 2)	Aluminum wire braid (Type 1)	64x0.12 mm
Shield coverage 2		45%
Outer conductor (shield 2)	Aluminum wire braid (Type 2)	48x0.12 mm
Shield coverage 2		35%
Sheath	PVC/FR-PVC	Φ6.80 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	50 pF/m
Velocity of propagation	85%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	16.8 Ohm/Km
Outer conductor resistance	- Ohm/Km
Operating temperature range	-25°C - 75°C
Cable weight (approx.)	- kg/km
Screening effectiveness	≥70 dB (5-1000MHz)



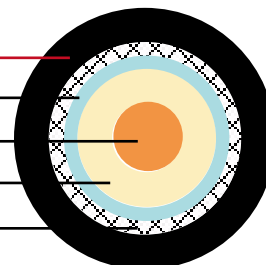
PVC or FR-PVC sheath

Aluminum foil shield 1

Bare copper inner conductor

Foam PE dielectric

Aluminum braid shield 2



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	3.7	1.13
100	5.5	1.68
200	8.1	2.47
400	11.7	3.57
800	17.0	5.18
950	18.7	5.70
1350	22.8	6.95
1750	26.4	8.05
2150	29.8	9.09
3000	36.2	11.04

Return Loss

5-470 MHz	≥25dB
470-3000 MHz	≥20dB