

TV Coaxial Cables France Type

19 VATC

17 VATC

KX 6

KX 8

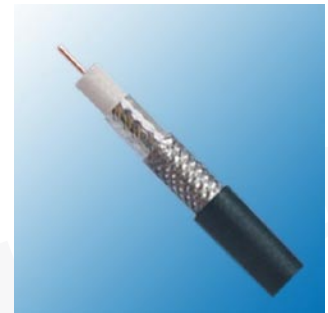
19 VATC

Construction

Inner conductor	Bare copper/Copper clad steel(CCS)	Φ1.02 mm
Dielectric	Foam PE	Φ4.60 mm
Outer conductor (shield 1)	Aluminum Foil	Φ4.75 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	21.4 Ohm/Km
Outer conductor resistance	- Ohm/Km
Rated temperature	70°C
Cable weight (approx.)	- kg/km
Screening effectiveness	≥70 dB (5-1000MHz)



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.6	1.40
100	7.1	2.16
200	9.0	2.74
400	13.0	3.96
800	19.0	5.79
950	20.9	6.37
1350	25.5	7.77
1750	29.6	9.02
2150	33.4	10.18
3000	40.6	12.38

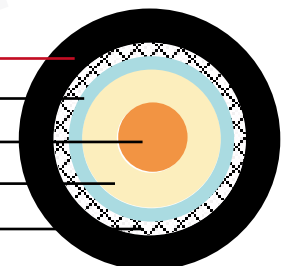
PVC or FR-PVC sheath

Aluminum foil shield 1

Bare copper inner conductor

Foam PE dielectric

Aluminum braid shield 2



Return Loss

5-1000 MHz	≥22dB
1000-2000 MHz	≥20dB

TV Coaxial Cables

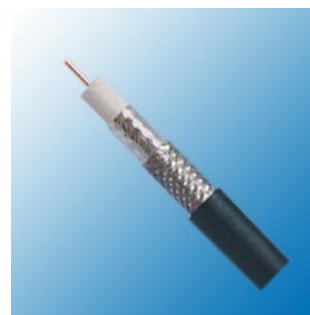
17 VATC

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)



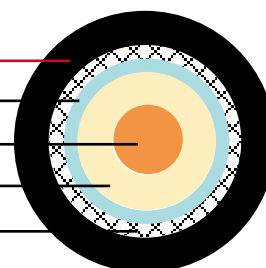
PVC or FR-PVC sheath

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

KX 6

Construction

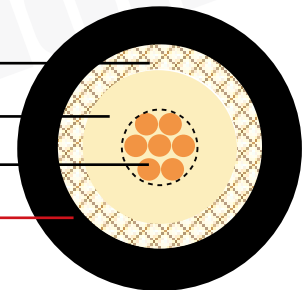
Inner conductor	Bare copper	7 x 0.2 mm
Dielectric	Solid PE	Φ3.70 mm
Outer conductor shield	Bare copper /Copper clad Aluminum(CCA)	96x0.10 mm
Shield coverage		80%
Sheath	PVC/FR-PVC	Φ10.10 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	87.5 Ohm/Km
Outer conductor resistance	21.0 / 32.5 Ohm/Km
Rated temperature	70°C
Cable weight (approx.)	- kg/km



Bare copper outer conductor
 Solid PE dielectric
 Bare copper inner conductor
 PVC or FR-PVC sheath



Attenuation

For bare copper braid			For CCA braid		
Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)	Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	5.0	1.52	-	-	-
50	8.1	2.47	50	8.1	2.47
100	13.0	3.96	100	13.0	3.96
200	18.5	5.64	200	18.5	5.64
400	22.5	6.86	400	22.5	6.86
850	34.5	10.52	850	34.5	10.52
950	37.5	11.43	950	37.5	11.43
1000	45.0	13.72	-	-	-

Return Loss

5-1000 MHz ≥20dB

TV Coaxial Cables

KX 8

Construction

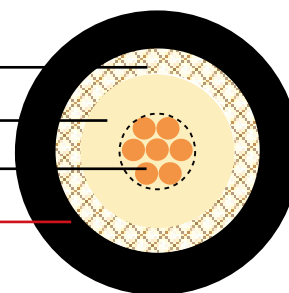
Inner conductor	Bare copper	7 x 0.4 mm
Dielectric	Solid PE	Φ7.25 mm
Outer conductor shield	Bare copper /Copper clad Aluminum(CCA)	192 x 0.10 mm
Shield coverage		80%
Sheath	PVC/FR-PVC	Φ10.20 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	22.2 Ohm/Km
Outer conductor resistance	15.5 / 16.5 Ohm/Km
Operating temperature range	-25°C - 75°C
Screening effectiveness	65dB(100-3000MHz)
Cable weight (approx.)	- kg/km



Bare copper outer conductor
 Solid PE dielectric
 Bare copper inner conductor
 PVC or FR-PVC sheath



Attenuation

For bare copper braid			For CCA braid		
Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)	Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
10	2.9	0.88	10	2.9	0.88
50	4.5	1.37	50	4.5	1.37
100	6.6	2.01	100	6.6	2.01
200	10.9	3.32	200	11.9	3.63
400	13.8	4.21	400	14.8	4.51
850	23.6	7.20	850	24.6	7.50
950	26.8	8.17	950	27.8	8.48
1000	27.5	8.38	1000	28.5	8.69

Return Loss

5-470 MHz	≥25dB
470-3000 MHz	≥20dB

