














EN50117 CATV Coaxial Cable

Specification				
<ul style="list-style-type: none">  Impedance: 75 ohm  Physical foam  100% Aluminum Foil  Aluminum Wire Braid - AL  Tinned Copper Braid - CuSn  Flame-retardant PVC  Meter markings 				
Type		19 VAtC	19 VAtC.A	17 VAtC
Order no. 	100m	20-8320	20-8335	20-8350
Order no. 	250m	20-8325	20-8340	20-8355
Order no. 	500m	20-8330	20-8345	20-8360
Centre Conductor	Ø mm	1.00 Solid BC	1.00 Solid CCS	1.13 Solid BC
Insulation	Ø mm	4.70 Foam P.E.	4.70 Foam P.E.	4.88 Foam P.E.
1st Shielding		AL / Polyester Tape	AL / Polyester Tape	AL / Polyester Tape
1st Outer Conductor	Ø mm	0.11 x 64 CuSn	0.12 x 64 AL	0.11 x 64 CuSn
2nd Shielding				
2nd Outer Conductor	Ø mm			
Outer Jacket	Ø mm	6.7	6.7	6.8
Bending Radius	Loaded	20 Times Cable OD	20 Times Cable OD	20 Times Cable OD
	Unloaded	10 Times Cable OD	10 Times Cable OD	10 Times Cable OD
Attenuation (20 °C, dB/100 m)	f = 5 MHz	1.2	1.5	1.2
	f = 50 MHz	4.4	4.8	4.1
	f = 200 MHz	8.4	8.9	8.0
	f = 470 MHz	13.2	13.7	12.7
	f = 860 MHz	19.0	19.8	18.0
	f = 1000 MHz	20.9	21.5	19.3
	f = 1750 MHz	27.9	28.6	26.2
	f = 2050 MHz	30.8	31.7	28.7
	f = 2150 MHz	31.2	32.1	29.6
	f = 3000 MHz	37.9	38.9	36.0
Return Loss (dB)	5– 470 MHz	> 25.00dB	> 25.00dB	> 25.00dB
	470– 862 MHz	> 23.00dB	> 23.00dB	> 23.00dB
	862–2150 MHz	> 20.00dB	> 20.00dB	> 20.00dB
DC Resistance (Centre Conductor)	Ω/km	22	98	18.4
DC Resistance (Outer Conductor)	Ω/km	31	49	30.5
Screening factor	UHF BAND	80dB	80dB	90dB
	VHF BAND	75dB	75dB	85dB
Capacitance		54pF +/- 3/M	54pF +/- 3/M	54pF +/- 3/M
Velocity ratio		82%	82%	82%
Admissible ambient temperature	°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
Packing	100m	Coil	Coil	Coil
	100m	Cardboard Reel	Cardboard Reel	Cardboard Reel
	250m	Reel-in-a-Box	Reel-in-a-Box	Reel-in-a-Box
	500m	Wooden Drum	Wooden Drum	Wooden Drum