

Coaxial Cables For CATV Systems

Outdoor & Underground Installation

			57514111	57503104	57503105	57517112	
Construction Parameters							
Inner conductor		Cu	Cu	Cu	Cu	Cu	
	Ø mm	1.13	1.63	1.63	1.63	1.63	
Insulation		PEE	PEE	PEE	PEE	PEE	
	Ø mm	5.0	7.20	7.20	7.20	7.20	
Screen	Tape		Al2	Al2	CuPet	Al2	
		Coverage	%	100	100	100	100
	Braid		Sncu	SnCu	Cu	SnCu	SnCu
		Coverage	%	47	61	61	61
	Ø mm	5.50	7.90	7.90	7.90	7.90	
Outer sheath		PE	PE	PE	PE	PE	
	Ø mm	7.80	10.3	10.3	10.3	10.3x17	
Min. bending radius	mm	70	100	100	100	100	
Total weight	kg/km	56	93	102	120	120	
Standard packaging	m		1x250	1x250	1x250	1x250	
			1x500	1x500	1x500	1x500	
Electrical Parameters							
Impedance	Ohm	75±2	75±2	75±2	75±2	75±2	
Velocity ratio	%	80	80	80	80	80	
Capacitance	pF/m	55	55	55	55	55	
Attenuation (at 20°C)	Mhz						
	50	dB/100m	4.9	3.3	3.2	3.3	
	100	dB/100m	6.5	4.7	4.6	4.7	
	200	dB/100m	8.8	7.2	7.0	7.2	
	400	dB/100m	12.5	9.8	9.4	9.8	
	600	dB/100m	15.5	12.8	12.1	12.8	
	800	dB/100m	18.3	14.4	14.0	14.4	
	1000	dB/100m	21.0	15.9	15.2	15.9	
Return loss	MHz						
	30-300	dB	>30	>28	>28	>28	
	300-900	dB	>28	>23	>23	>23	
Screening efficiency	MHz						
	100-900	dB	>80	>75	>75	>75	
Inner conductor resistance	Ohm/km	18	8.7	8.7	8.7	8.7	
Outer conductor resistance	Ohm/km	21.5	10.5	22	10.5	10.5	

Cu Copper wire
 SnCu Tin coated copper wire
 Al2 Al-pet-al foil laminate
 CuPet Copper-polyester foil laminate

Pet Polyester tape
 PE Polyethylene
 PEE Foam polyethylene



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