

Standard Drop Coaxials SA > 75 dB

CAVEL code		SAT501 SAT501N	SAT50M SAT50MN	SAT703B SAT703N	SAT703-2G	17PAAtC	KF114 KF114N - KF114/MA
CONSTRUCTION DATA							
Inner Conductor	dia. mm	0,80	1,00	1,13	1,13	1,13	1,13
	material	Cu	Cu	Cu	Cu	Cu	Cu
Dielectric	material	PEG	PEG	PEG	PEG	PEG	PEG
	dia. mm	3,50	4,75	4,80	4,80	4,80	4,80
Screen							
1. Film Foil Laminate	material	APA	AP	APA	APA	APA	Cu/Pet
2. Braid							
Braid Optical Coverage	material	CuSn	CuSn	CuSn	CuSn	CuSn	Cu
	%	47	38	45	45	45	37
	dia. mm	4,00	5,22	5,30	5,30	5,30	5,30
Protection	material				PE		
	dia. mm				6,30		
Outer Sheath	material	PVC	PVC	PVC	PVC	PE	PVC
	dia. mm	5,00	6,60	6,60	7,60	6,80	6,60
PHYSICAL DATA							
Copper Content	kg/km	8,9	11,4	14,5	14,5	14,5	17,2
Cable Weight	kg/km	23,6	38,6	39,5	50,5	36,0	40,6
Min. Bending Radius:							
single/repeated bends	mm	25/50	35/70	35/70	40/80	35/70	35/70
Max. Tensile Strength	N	90	150	150	150	150	150
ELECTRICAL DATA							
Impedance	Ohm	75±3	75±3	75±3	75±3	75±3	75±3
Capacitance	pF/m	52±2	54±2	52±2	52±2	52±2	52±2
Velocity ratio	%	85	82	85	85	85	85
Attenuation (at 20°C)							
at 5 MHz	dB/100m	2,3	2,0	1,6	1,6	1,6	1,4
at 10 MHz	dB/100m	2,8	2,8	2,1	2,1	2,1	2,0
at 30 MHz	dB/100m	4,6	3,8	3,2	3,2	3,2	3,0
at 50 MHz	dB/100m	5,6	4,6	4,1	4,1	4,1	3,7
at 200 MHz	dB/100m	10,9	8,6	7,9	7,9	7,9	7,8
at 300 MHz	dB/100m	13,7	10,5	9,8	9,8	9,8	9,6
at 470 MHz	dB/100m	17,4	13,6	12,4	12,4	12,4	11,9
at 862 MHz	dB/100m	23,3	18,8	17,1	17,1	17,1	16,5
at 1000 MHz	dB/100m	25,2	20,4	18,5	18,5	18,5	17,8
at 1750 MHz	dB/100m	34,0	27,8	24,9	24,9	24,9	24,2
at 2150 MHz	dB/100m	38,2	31,1	27,9	27,9	27,9	27,1
at 2400 MHz	dB/100m	40,4	33,3	29,6	29,6	29,6	28,8
at 3000 MHz	dB/100m	44,2	37,7	33,4	33,4	33,4	32,6
Structural Return Loss (SRL)							
at 5 - 470 MHz	dB	> 30	> 30	> 30	> 30	> 30	> 30
at 470 - 1000 MHz	dB	> 28	> 28	> 28	> 28	> 28	> 28
at 1000 - 2000 MHz	dB	> 26	> 26	> 26	> 26	> 26	> 26
at 2000 - 3000 MHz	dB	> 22	> 22	> 22	> 22	> 22	> 22
Screening Attenuation (SA)							
class		B	B	B	B	A	B
at 5 - 30 MHz (TI)	mΩ/m	< 15	< 15	< 15	< 15	< 5	< 15
at 30 - 1000 MHz	dB	> 80	> 75	> 80	> 80	> 85	> 75
at 1000 - 2000 MHz	dB	> 80	> 80	> 80	> 80	> 80	> 85
at 2000 - 3000 MHz	dB	> 75	> 67	> 70	> 70	> 70	> 75
DC Resistance: inner / outer	Ohm/km	35 / 26	22,5 / 33	18 / 22	18 / 22	18 / 22	18 / 22
Loop Resistance	Ohm/km	61	55,5	40	40	40	40
Sheath Insulation Voltage	kV	2,5	3	3	8	5	3
Max. Current (I _{eff})	A	4	6	8	8	8	8
Specification Conformity							
EN50117		2-4	2-4	2-4	2-5	2-5	2-4
Standard Packing							
Put-up	mode	coil	coil	coil	reel	coil	coil
Unit Length	m	150	100 250	100 250	200	100 250	100 250
Unit Packing Content	m	900	600 500	600 500	400	600 500	600 500
Packing Pattern(look at page 25)	mod.	S150M	S100M S250L	S100M S250L	R200L	S100M S250L	S100M S250L
Fits CABLEBOX	item	DS100	DS100 DS250	DS100 DS250	DS250	DS100 DS250	DS100 DS250