

CATV Cable



Construction data

Cable code		CA501	CA50M	CA602
Inner conductor	material	BC	BC	BC
	dia. mm	0.80	1.00	1.00
Dielectric	material	FPE	FPE	FPE
	dia. mm	3.50	4.65	4.30
Screen:				
Film foil type	material	Al-PET-Al	Al-PET	Al-PET-Al
	Foil coverage %	100	100	100
Braid	material	TC	TC	TC
	Braid coverage %	47	38	41
	dia. mm	4.00	5.22	4.80
Outer sheath	material	PVC	PVC	PVC
	dia. mm	5.00	6.60	6.00

Electrical data

Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3	
Capacitance	pF/m	52 ± 2	54 ± 2	52 ± 2	
Velocity ratio	%	85	82	85	
Attenuation (at 20°C)					
at	5 MHz	dB/100m	2.3	2.0	2.1
at	10 MHz	dB/100m	3.2	2.8	2.8
at	30 MHz	dB/100m	4.6	3.8	3.9
at	50 MHz	dB/100m	5.9	4.6	4.9
at	200 MHz	dB/100m	11.2	8.6	9.3
at	300 MHz	dB/100m	13.7	10.5	11.0
at	470 MHz	dB/100m	17.4	13.6	14.3
at	862 MHz	dB/100m	23.8	18.8	19.5
at	1000 MHz	dB/100m	25.7	20.4	21.0
at	1750 MHz	dB/100m	34.5	27.8	28.2
at	2150 MHz	dB/100m	38.2	31.1	31.4
at	2400 MHz	dB/100m	40.4	32.4	33.2
at	3000 MHz	dB/100m	44.2	37.3	37.6
Structural return loss (SRL)					
at	5 - 470 MHz	dB	> 30	> 30	> 30
at	470 - 1000 MHz	dB	> 28	> 28	> 28
at	1000 - 2000 MHz	dB	> 26	> 26	> 26
at	2000 - 3000 MHz	dB	> 22	> 22	> 22
Screening attenuation (SA) class					
at	5 - 30 MHz	mOhm/m	1.2	6.0	2
at	30 - 1000 MHz	dB	> 80	> 75	> 75
at	1000 - 2000 MHz	dB	> 80	> 80	> 90
at	2000 - 3000 MHz	dB	> 75	> 67	> 75
Specification conformity	EN 50117		part 2-4	part 2-4	part 2-4

CATV Cable



Construction data

Cable code		CA703B	CA703-2G	17PATC	CA114
Inner conductor	material	BC	BC	BC	BC
	dia. mm	1.13	1.13	1.13	1.13
Dielectric	material	FPE	FPE	FPE	FPE
	dia. mm	4.80	4.80	4.80	4.80
Screen:					
Film foil type	material	Al-PET-Al	Al-PET-Al	Al-PET-Al	Cu-PET
Foil coverage	%	100	100	100	100
Braid	material	TC	TC	TC	BC
	Braid coverage	%	45	45	37
	dia. mm	5.40	5.40	5.40	5.30
Inner sheath	material		PE		
	dia. mm		6.3		
Outer sheath	material	PVC	PVC	PE	PVC
	dia. mm	6.60	7.60	6.80	6.60

Electrical data

Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance	pF/m	52 ± 2	52 ± 2	52 ± 2	52 ± 2
Velocity ratio	%	85	85	85	85
Attenuation (at 20°C)					
at	5 MHz	dB/100m	1.9	1.9	1.4
at	10 MHz	dB/100m	2.6	2.6	2.0
at	30 MHz	dB/100m	3.5	3.5	3.0
at	50 MHz	dB/100m	4.4	4.4	3.7
at	200 MHz	dB/100m	8.3	8.3	7.8
at	300 MHz	dB/100m	10.1	10.1	9.6
at	470 MHz	dB/100m	12.8	12.8	12.2
at	862 MHz	dB/100m	17.5	17.5	16.9
at	1000 MHz	dB/100m	18.9	18.9	18.4
at	1750 MHz	dB/100m	25.5	25.5	25.0
at	2150 MHz	dB/100m	28.4	28.4	28.0
at	2400 MHz	dB/100m	30.0	30.0	29.6
at	3000 MHz	dB/100m	34.0	34.0	33.5
Structural return loss (SRL)					
at	5 - 470 MHz	dB	> 30	> 30	> 30
at	470 - 1000 MHz	dB	> 28	> 28	> 28
at	1000 - 2000 MHz	dB	> 26	> 26	> 26
at	2000 - 3000 MHz	dB	> 22	> 22	> 22
Screening attenuation (SA)					
	class		B	B	A
at	5 - 30 MHz	mOhm/m	1.5	1.5	1.5
at	30 - 1000 MHz	dB	> 80	> 80	> 85
at	1000 - 2000 MHz	dB	> 80	> 80	> 85
at	2000 - 3000 MHz	dB	> 70	> 70	> 75
Specification conformity	EN 50117	part 2-4	part 2-5	part 2-5	part 2-4