

SAT-Coaxial Cables for digital-tv, screening efficiency >90dB / >95dB, for satellite-receivers, double screened



used as Type	inner 0,7/2,9	inner/outer 0,7/4,5	inner/outer 0,8/3,5	inner 1,1/5,0	Underground 1,6/7,0	inner 1,0/4,6	inner 1,0/4,6
Part no.	40015	40016	40085	40017	40018	400182	400197
Cable structure							
Inner conductor Ø mm	0,6	0,75	0,8	1,1	1,63	1	1
	Copper, bare	Tinned copper	Copper, bare	Copper, bare	Copper, bare	Copper, bare	Copper, bare
Insulation Ø mm	3	4,5	3,5	4,8	7,1	4,6	4,6
	Polyethylene, foamed	Polyethylene, foamed	Polyethylene, foamed	Polyethylene, foamed	Polyethylene, foamed	Cell PE, foamed	Cell PE, foamed
Outer conductor	ALPR-FG	ALPR-FG	ALPR-FG	ALPR-FG	ALPR-FG	ALPR-FG	ALPR-FG
1st Screen - ALPR	foil	foil	foil	foil	foil	foil	foil
2nd Screen - Cu-Braid	Braid	Braid	Braid	Braid	Braid	Braid	Braid
Outer sheath	PVC	PVC	PVC	PVC	PE	PE	PE
Sheath colour	white	white	white	white	black	white	white
Outer Ø app. mm	4,3	6,6	5,0	6,9	10,3	6,8	6,8
Min. bending radius app. mm	43	35	50	45	60	50	50
Weight app. kg / km	20	40	32	47	110	46	48
Electrical characteristics							
Impedance (Ohm)	75 ± 3	75 ± 3	75 ± 3	75 ± 2	75 ± 2	75 ± 3	75 ± 3
Capacitance pF/m	55	67	53	55	55	55	55
Propagation velocity v/c	0,8	0,66	0,8	0,8	0,85	0,8	0,8
Attenuation at 20°C (dB/100m)							
100 MHz	8,1	7,1	6,3	4,9	3	6,7	6,1
200 MHz	13,3	10,4	11,5	7,7	6,1	9,3	8,7
450 MHz	20,9	16,8	17,1	11,6	9	13,7	14,1
800 MHz	-	25	-	-	-	-	-
1000 MHz	31,5	27,4	26,5	18,9	14,3	22,2	20,5
1750 MHz	42,2	37,4	36,4	26,6	20,1	29,6	25,6
2050 MHz	45,8	40,5	39,7	28,2	22,5	33,3	29,4
2250 MHz	49,9	44,3	43,1	29,5	24	-	-
2400 MHz	55,5	45	-	31,9	-	36	31,9
Structural return loss min. (dB) between							
30 and 300 MHz	20	20	35	25	40	-	-
300 and 600 MHz	18	18	35	18	35	35	35
600 and 960 MHz	16	18	30	17	35	35	35
960 and 1750 MHz	-	-	30	15	30	30	30
DC resistance at 20°C							
Inner conductor max. Ohm/km	52	110	36	18	9	9	9
Outer conductor max. Ohm/km	29	22	28	14	21	21	21
Max. nominal voltage (V)	-	-	-	-	-	-	-
Screening efficiency (dB)							
50 and 100 MHz ≥	95	90	90	95	90	115	120
100 and 500 MHz ≥	95	90	90	95	90	115	120
500 and 1000 MHz ≥	95	90	90	95	90	115	120
1000 and 2050 MHz ≥	95	90	90	95	90	115	120
Copper weight kg/km	12,5	9,0	9,0	25,0	32,0	17,0	17,0

Dimensions and specifications may be changed without prior notice. (RM01)

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