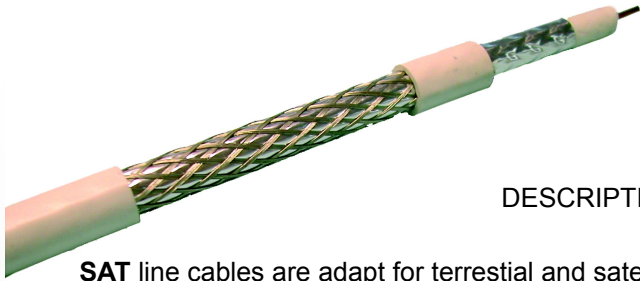


SAT

COAXIAL CABLES
FOR TERRESTRIAL OR SATELLITE SIGNAL



DESCRIPTION TECHNICAL DATA:

SAT line cables are adapt for terrestrial and satellite signal systems. They are characterized from a shielding efficiency upper to 75db, from a central single bare copper wire conductor, from the physically expanded dielectric (Skin-foam-Skin type), from a tinned copper wires braid and Al/Pet/Al tape. External sheath is realizable in PVC, polyethylene or LSZH (Low Smoke Zero Alogen)

Conductor: Single bare copper wire
Dielectric: Expanded polyethylene (skin-foam-skin)
Screen: Al/pet/AL tape
 Tinned copper wires braid(>45%)
Sheath: PVC, white color
Working temperature: -10°C ; +70 °C
Min installation temperature: 0°C
Bending radius: 12 x external diameter (mobile)
 6 x external diameter (fixed)
Standard: EN 50117
Marking: UNICAVI [cable name] [num.] (meter)

NAME		SAT 36.60	SAT 23.45	SAT 19.40	SAT 17.45	SAT 11.56	
CODE		6K0012106	6K0021106	6K0020306	6K0004906	6K0001206	
Inner conductor	mm	CW Ø0.40	Cu Ø0.75	Cu Ø1.00	Cu Ø1.13	Cu Ø1.70	
Dielectric	mm	PEE/PH Ø 1.80	PEE/PH Ø 3.30	PEE/PH Ø 4.40	PEE/PH Ø 4.80	PEE/PH Ø 7.35	
Screen	<i>tape - cov. braid - cov.</i>	Al/pet/Al - 100% Cu-Sn kf=62%	Al/pet/Al - 100% Cu-Sn kf=46%	Al/pet/Al - 100% Cu-Sn kf=40%	Al/pet/Al - 100% Cu-Sn kf=45%	Al/pet/Al - 100% Cu-Sn kf=56%	
Transparent tape		Pet	Pet	Pet	Pet	Pet	
Sheath	mm	PVC Ø3.60	PVC Ø5.0 0	PVC Ø6.10	PVC Ø6.80	PVC Ø10.25	
Weight	kg/km	15.4	24.0	34.0	42.2	101.2	
Impedence	Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3	75 ± 3	
Capacitance	pF/m	55 ± 2	52 ± 2	52 ± 2	51 ± 2	51.5 ± 2	
Velocity Ratio	%	82	83	84	84	84	
Internal conductor resistance	Ohm/km	324	39	23	16.8	7.8	
External conductor resistance	Ohm/km	31.1	30.1	38	22	9.7	
Attenuation							
	47 MHz	dB/100m	12	6.3	4.9	4.1	2.7
	230 MHz	dB/100m	21.9	12.9	9.6	8.6	5.7
	400 MHz	dB/100m	30.3	17.2	13	11.7	7.6
	800 MHz	dB/100m	43.2	25.0	19.1	16.9	11
	860 MHz	dB/100m	44.1	26.1	19.5	17.8	11.9
	1000 MHz	dB/100m	48.4	28.5	21.3	19.3	13.5
	1350 MHz	dB/100m	59.3	33.1	24.9	22.8	15.7
	1750 MHz	dB/100m	64.6	35.2	28.5	26.4	17.9
	2050 MHz	dB/100m	70.1	38.1	31.5	28.9	19.5
	2150 MHz	dB/100m	-	38.7	32.2	29.6	19.7
	2400 MHz	dB/100m	-	43.2	34.5	31.6	21.3
Reflection loss SRL							
	5-470 MHz	dB	>20	>22	>23	>24	>24
	470-860 MHz	dB	>19	>20	>21	>23	>23
	860-2400 MHz	dB	>17	>18	>18	>19	>20
Shielding efficiency							
	50-1000 MHz	dB	>75	>75	>75	>75	>75
	1000-2000 MHz	dB	>70	>70	>75	>75	>75

NOTE: External diameter can change in a range of +/- 3%.