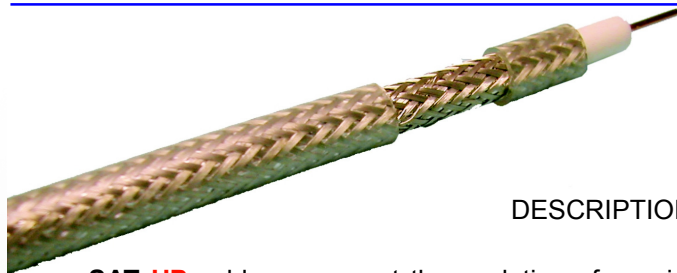


**SAT HP** HIGH PERFORMANCESHIELDING EFF. > 100dB  
TRANSPARENT SHEATH

## DESCRIPTION TECHNICAL DATA:

**SAT HP** cables represent the evolution of coaxial cables for the television signals. Suitable for terrestrial and satellite systems, specially for digital signal. They are characterized from a shielding efficiency upper to 100db, from the particularity of having the shielding composed from two aluminium tapes to triple layer (Al-pet-Al) and from a tinned copper wires braid with optical cover upper to 80%. External sheath is in special, transparent PVC with a good aesthetic.

**Conductor:** Single bare copper wire  
**Dielectric:** Expanded PE (skin-foam-skin)  
**Screen:** Al/pet/AL tape  
 Tin copper wires braid (>80%)  
 Al/pet/AL tape  
**Sheath:** transparent PVC  
**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  
**Marcatura:** UNICAVI [cable name] [num. ] (meter)

NAME		SAT HP 23	SAT HP 19	SAT HP 17
CODE		6K0044306	6K0044406	6K0044506
Inner conductor	mm	Cu Ø0.75	Cu Ø1.00	Cu Ø1.13
Dielectric	mm	PEE/PH Ø 3.30	PEE/PH Ø 4.40	PEE/PH Ø 4.80
Screen	<i>tape - coc. braid - cov. tape - cov.</i>	Al/pet/Al - 100% Cu-Sn kf=81% Al/pet/Al - 100%	Al/pet/Al - 100% Cu-Sn kf=82% Al/pet/Al - 100%	Al/pet/Al - 100% Cu-Sn kf=83% Al/pet/Al - 100%
Sheath	mm	PVC Ø5.10	PVC Ø6.20	PVC Ø6.90
Weight	kg/km	30.0	41.0	50.2
Impedance	Ohm	75 ± 3	75 ± 3	75 ± 3
Capacitance	pF/m	52 ± 2	52 ± 2	51 ± 2
Velocity ratio	%	83	84	84
Internal conductor resistance	Ohm/km	39	23	16.8
External conductor resistance	Ohm/km	13.9	12.5	11.9
Attenuation				
	47 MHz dB/100m	6.3	4.9	4.1
	230 MHz dB/100m	12.9	9.6	8.6
	400 MHz dB/100m	17.2	13	11.7
	800 MHz dB/100m	25.0	19.1	16.9
	860 MHz dB/100m	26.1	19.5	17.8
	1000 MHz dB/100m	28.5	21.3	19.3
	1350 MHz dB/100m	33.1	24.9	22.8
	1750 MHz dB/100m	35.2	28.5	26.4
	2050 MHz dB/100m	38.1	31.5	28.9
	2150 MHz dB/100m	38.7	32.2	29.6
	2400 MHz dB/100m	43.2	34.5	31.6
Reflection loss SRL				
	5-470 MHz dB	>22	>23	>24
	470-860 MHz dB	>20	>21	>23
	860-2400 MHz dB	>18	>18	>19
Shielding efficiency				
	5-30 MHz dB	>90	>90	>90
	30-1000 MHz dB	>105	>105	>105
	1000-2150 MHz dB	>95	>95	>95
	2400-3000 MHz dB	>80	>80	>80

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

**SAT HP** HIGH PERFORMANCE