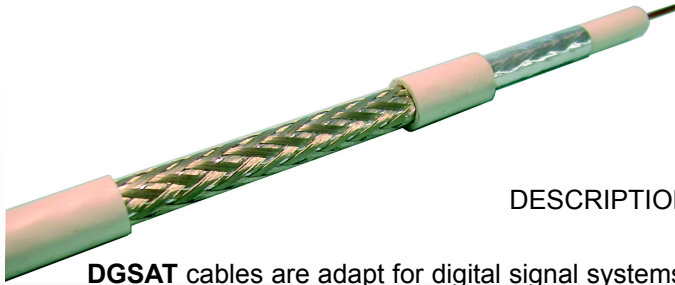


DGSAT

COAXIAL CABLE FOR DIGITAL SIGNAL
 SHIELDING EFFICIENCY >90dB.



DGSAT cables are adapt for digital signal systems, for the shielding efficiency upper to 90db. Main conductor is a single bare copper wire, dielectric is phisically expanded; The screen is composed from tin copper wires braid (cov > 80%), and an aluminium tape. External sheath is realizabile in PVC or LSZH (Low Smoke Zero Halogen).

DESCRIPTION TECHNICAL DATA:

Conductor:	Single bare copper wire
Dielectric:	Expanded polyethylene (skin-foam-skin)
Screen:	Al/pet/AL tape Tinned copper wires braid(>80%)
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		DGSAT 23.80	DGSAT 19.80	DGSAT 17.80	DGSAT 11.80
CODE		6K0021106	6K0020306	6K0004906	6K0001206
Internal conductor	mm	Cu Ø0.75	Cu Ø1.00	Cu Ø1.13	Cu Ø1.70
Dielectric	mm	PEE/PH Ø 3.30	PEE/PH Ø 4.40	PEE/PH Ø 4.80	PEE/PH Ø 7.35
Screen	<i>tape - cov</i> <i>braid - cov</i>	Al/pet/Al - 100% Cu-Sn kf=80%	Al/pet/Al - 100% Cu-Sn kf=80%	Al/pet/Al - 100% Cu-Sn kf=80%	Al/pet/Al - 100% Cu-Sn kf=80%
Transparent tape		Pet	Pet	Pet	Pet
Sheath	mm	PVC Ø5.0 0	PVC Ø6.10	PVC Ø6.80	PVC Ø10.25
Weight	kg/km	29.0	40.1	49.3	113.2
Impedence	Ohm	75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacitance	pF/m	52 ± 2	52 ± 2	51 ± 2	51.5 ± 2
Velocity ratio	%	83	84	84	84
Internal conductor resistance	Ohm/km	39	23	16.8	7.8
External conductor resistance	Ohm/km	14.9	13.1	12.5	9.7
Attenuation	47 MHz dB/100m	6.3	4.9	4.1	2.7
	230 MHz dB/100m	12.9	9.6	8.6	5.7
	400 MHz dB/100m	17.2	13	11.7	7.6
	800 MHz dB/100m	25.0	19.1	16.9	11
	860 MHz dB/100m	26.1	19.5	17.8	11.9
	1000 MHz dB/100m	28.5	21.3	19.3	13.5
	1350 MHz dB/100m	33.1	24.9	22.8	15.7
	1750 MHz dB/100m	35.2	28.5	26.4	17.9
	2050 MHz dB/100m	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	5-470 MHz dB	>22	>23	>24	>24
SRL	470-860 MHz dB	>20	>21	>23	>23
	860-2400 MHz dB	>18	>18	>19	>20
Shielding efficiency	50-1000 MHz dB	>90	>90	>90	>90
	1000-2000 MHz dB	>90	>90	>90	>90

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