

Indoor drop coaxial cable - 75 Ohm
Indoor installation cable (Screening Class B)



SAT2H

Constructive Data

Inner conductor of plain copper	(Cu)	Ø 1,13 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 mm
Water repellent sealing (dielectric)	(Jelly1)	
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)	
Braid of tinned copper wires	(CuSn)	Ø
Braid optical coverage (IEC 96-1)		45 %
Outer sheath of Polyvinylchloride white lead-free (Q1B)	(PVC)	Ø 6,60 ± 0,10 mm
printed each meter by black ink-jet :	(ss=week, aa=year)	

CAVEL DKT SAT 2H GAS INJECTED 75 Ohm ass m

Mechanical Parameters

Weight of copper conductors	14,80	kg/km
Total weight of cable	40,90	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	150	N

Electrical Parameters

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	18,0	Ohm/km
Outer conductor resistance	22,0	Ohm/km
loop Resistance	40,0	Ohm/km
Maximum current (Ieff)	8,0	A
Insulation voltage of the sheath (spark test)	3,0	kV
Standard:	EN50117-2-4	

-Attenuation-

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	1,90	2,60	3,50	4,40	8,30	10,10	12,80	17,50	18,90	25,50	28,40	30,00	34,00

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Transfer impedance

5 - 30 MHz < 1,5 mOhm/m

Screening attenuation (SA)

30 - 1000 MHz	>80 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

