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

Coaxial Cables CAVEL® since 1968

# SAT2S

## 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 Polyethylene black with carbonblack (Q4) | (PE) | Ø 6,80 ± 0,10 mm |

printed each meter by yellow ink-jet : (a=year, ss=week) (m=meter marking)

**CAVEL DKT SAT 2S GAS INJECTED 75 Ohm ass m**

## Mechanical Parameters

| | | |
|---|---|---|
| Weight of copper conductors | 14,80 | kg/km |
| Total weight of cable | 37,20 | kg/km |
| Minimum bending radius (single/repetead bending) | 35/70 | mm |
| Max. cable pulling strenght | 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) | 8,0 | kV |
| Standard: | EN50117-2-5 | |

**-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