

## Description

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

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

SAT50M



1,00 (Cu)	4,75 (PEG)	4,82 (Al/Pet)	5,22 (CuSn)	6,60 (PVC)
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## Constructive data

Inner conductor of plain copper	(Cu)	1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,75 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Aluminium/Polyester tape longitudinally overlapped	(Al/Pet)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		38 %	
Diameter under Sheath		5,22	mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,60 ± 0,10	mm

Printed each meter by black ink-jet :

**CAVEL SAT 50 M MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa m**

(ss=week, aa=year) (m=meter marking)

## Electrical data

Characteristic impedance (@ 200 MHz)		75 ± 3	Ohm
Capacitance (@1kHz)		54 ± 2	pF/m
Velocity factor		82 %	
Outer conductor resistance		33	Ohm/km
Loop resistance		55,50	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV
Maximum current (Ieff)		6,00	A
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>26 dB		
2000 - 3000 MHz	>22 dB		
Screening attenuation (SA)			Transfer impedance
30 - 1000 MHz	>75 dB	5 - 30 MHz	6 mOhm/m
1000 - 2000 MHz	>80 dB		
2000 - 3000 MHz	>67 dB		

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Date

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Responsible

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