

Description

Security video cable - 75 Ohm

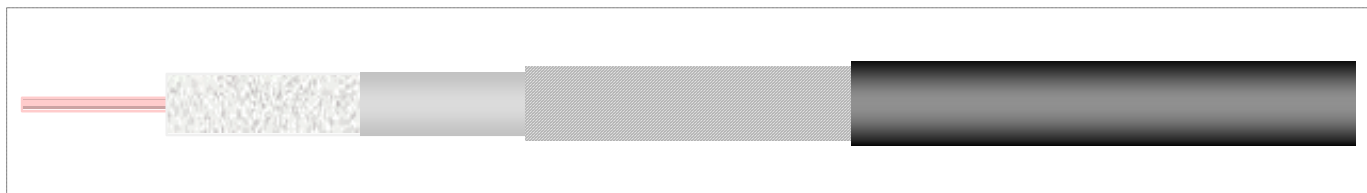
UV resistant security video cable (Screening Class A)

Coaxial Cables

CAVEL

since 1968

Data Sheet

VS80

0,80	3,50	3,60	4,00	5,00
(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(LSZH)

Constructive data

Inner conductor of plain copper	(Cu)	0,80 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	3,50 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Outer Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		65 %	
Outer sheath of Thermoplastic material black halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	5,00 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL VS 80 MADE IN ITALY 75 Ohm EN50117-2-5 ss/aa m

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

Electrical data

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Inner conductor resistance	35,00	Ohm/Km
Outer conductor resistance	18,60	Ohm/Km
Loop Resistance	53,60	Ohm/km
Insulation voltage of the sheath (spark test)	2,50	KV
Maximum current (I _{eff})	4,00	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)

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

Transfer impedance

5 - 30 MHz < 0,35 mOhm/m

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli

Tel +39-382.815150 Fax +39-0382.814212

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Responsabile

Giuseppe Guastella

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Attenuation (at 20°C and dB/100m):

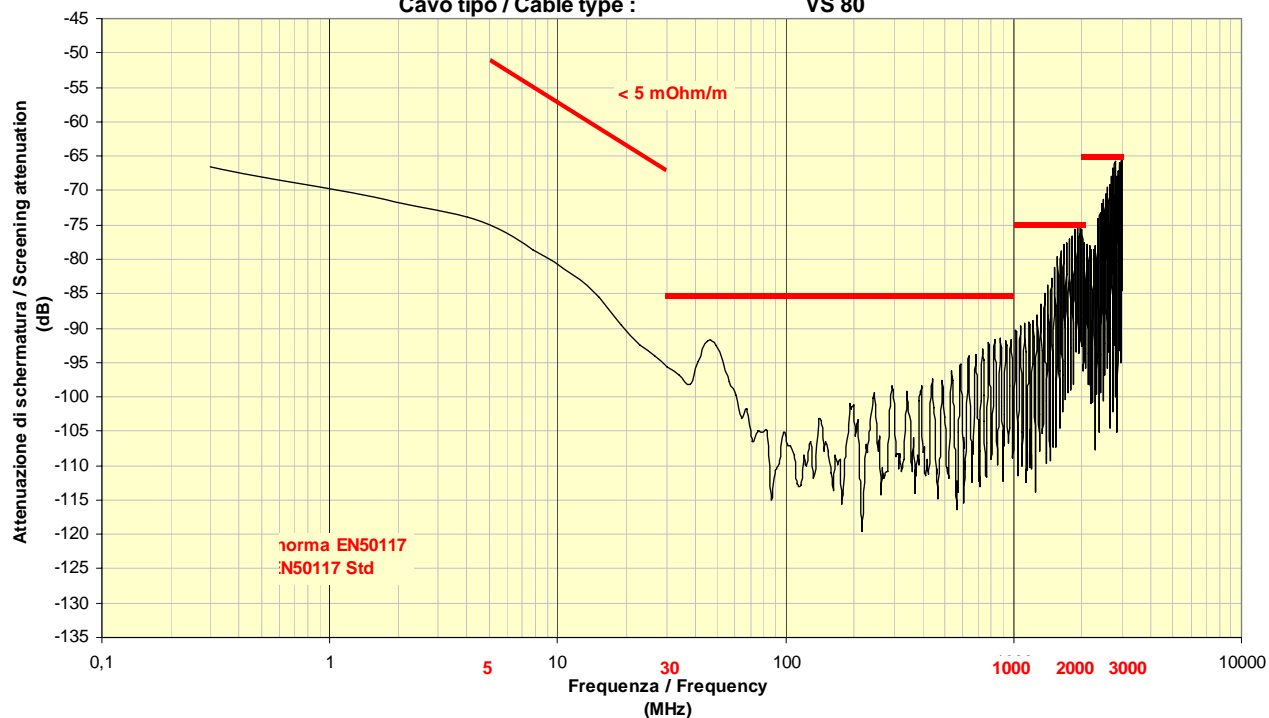
Frequency [MHz]	Attenuazione [dB/100m]	Frequency [MHz]	Attenuazione [dB/100m]
5	2,10	862	23,60
10	3,00	1000	25,50
30	4,40	1750	34,30
50	5,70	2150	38,00
200	11,00	2400	40,20
300	13,50	3000	44,00
470	17,20		

Mechanical data

Weight of copper conductors	11,13 kg/km
Total weight of cable	25,40 kg/km
Minimum bending radius (single/repeated bending)	25/50 mm
Max. cable pulling strength	90 N

Attenuazione di schermatura / Screening Attenuation**Cavo classe A / A Class Cable**

Cavo tipo / Cable type : VS 80

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