

Distribution and trunk coaxial cable for burial installation
- 75 Ohm
Underground installation cable (Screening Class A)



Codice CAVEL:

CATV11

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CONSTRUCTIVE DATA

Inner conductor of plain copper	(Cu)	Ø 1,63 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)	
Braid of tinned copper litz wires	(CuSn)	Ø
Braid optical coverage (IEC 96-1)		64 %
Tracer Identifier	Year + Flag	
Water repellent sealing (sheath)	(Jelly2)	
Outer sheath of Polyethylene black with carbonblack (Q4)	(PE)	Ø 10.10 ± 0.15 mm
printing each meter by yellow ink-jet : (ss=week, aa=year) (m=meter marking)		

CCS TV 75 Ohm CAVEL CATV 11 MADE IN ITALY EN50117-2-3 ss/aa m

MECHANICAL PARAMETERS

Weight of copper conductors	34,90	kg/km
Total weight of cable	83,50	kg/km
Minimum bending radius (single/repeated bending)	100	mm
Max. cable pulling strength	300	N

ELECTRICAL PARAMETERS

Characteristic impedance (@ 200 MHz)	75,00 ± 2,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	8,5	Ohm/Km
Outer conductor resistance	10,0	Ohm/Km
loop Resistance	18,5	Ohm/Km
Maximum current (I _{eff})	16	A
Insulation voltage of the sheath (spark test)	8	kV
Conforme alla norma:	EN 50117-2-3	

Attenuation

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	1.10	1.50	2.20	2.80	5.60	6.90	8.80	12.30	13.20	17.90	20.10	21.00	24.50

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>23 dB
2000 - 3000 MHz	>20 dB

5 - 30 MHz 1,1 mOhm/m
Screening attenuation (SA)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>100 dB
2000 - 3000 MHz	>90 dB



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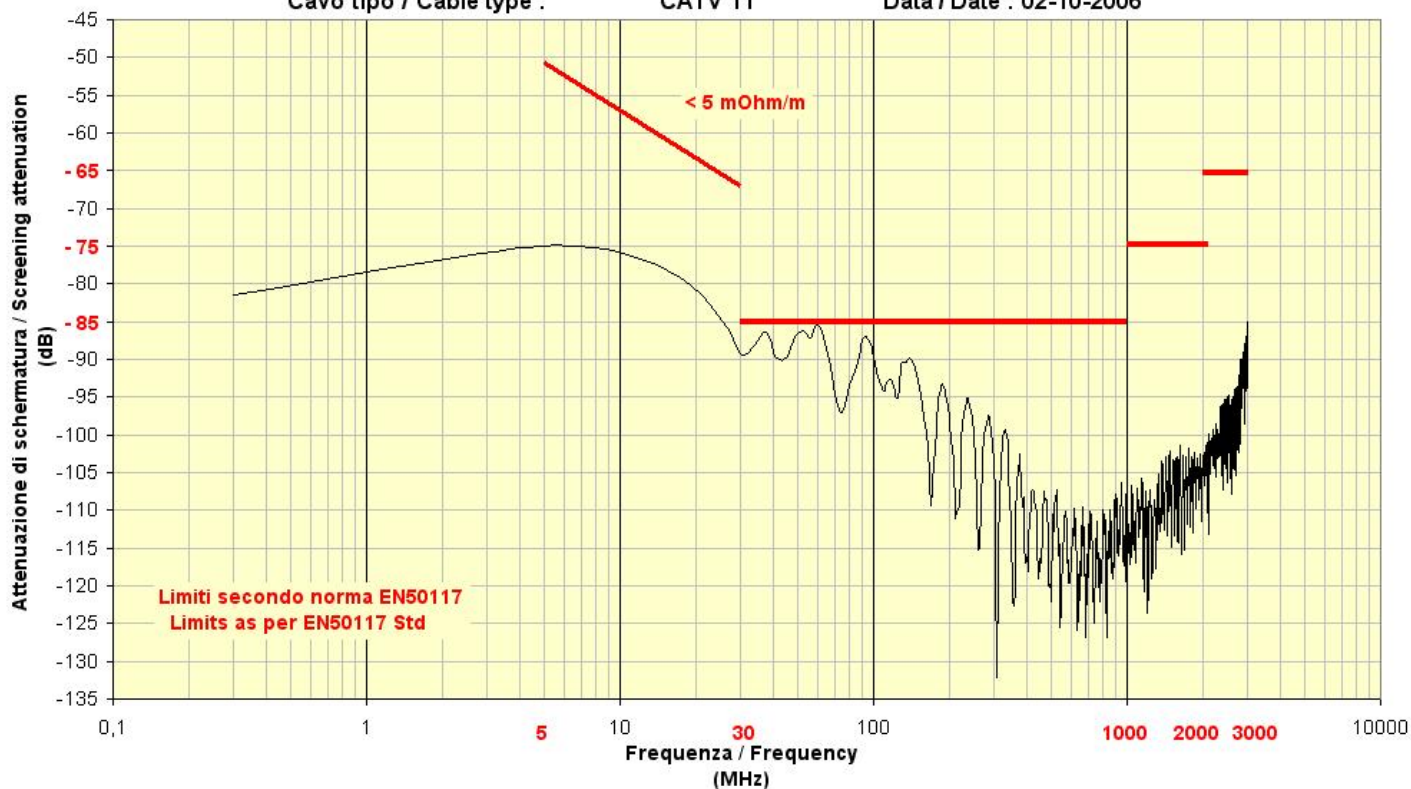
Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type :

CATV 11

Data / Date : 02-10-2006



STANDARD PACKAGING

Mod 4

CONNECTORS

FA17/73

F163

FC11

FM-32

IEC14M-32

NM-32

5/8MU-32

3,5/12M-32