

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



CAVEL Code:

11/50FC

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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)	
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper litz wires	(Cu)	Ø
Braid optical coverage (IEC 96-1)		61 %
Tracer Identifier	Year + Flag	
Water repellent sealing (sheath)	(Jelly2)	
Outer sheath of Polyethylene black with carbonblack (Q4)	(PE)	Ø 7.30 ± 0.10 mm
printed each meter by yellow ink-jet :	(ss=week, aa=year) (m=meter marking)	

CCS TV 75 Ohm CAVEL 1.1/5.0 FC MADE IN ITALY EN50117-2-5 ss/aa m

MECHANICAL PARAMETERS

Weight of copper conductors	22,90	kg/km
Total weight of cable	46,00	kg/km
Minimum bending radius (single/repeated bending)	50	mm
Max. cable pulling strength	200	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	13,5	Ohm/km
loop Resistance	31,5	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	1.50	2.10	2.90	3.80	7.90	9.70	12.30	16.80	18.20	24.80	27.90	29.50	33.50

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 < 0,5 mOhm/m

Screening attenuation (SA)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>70 dB

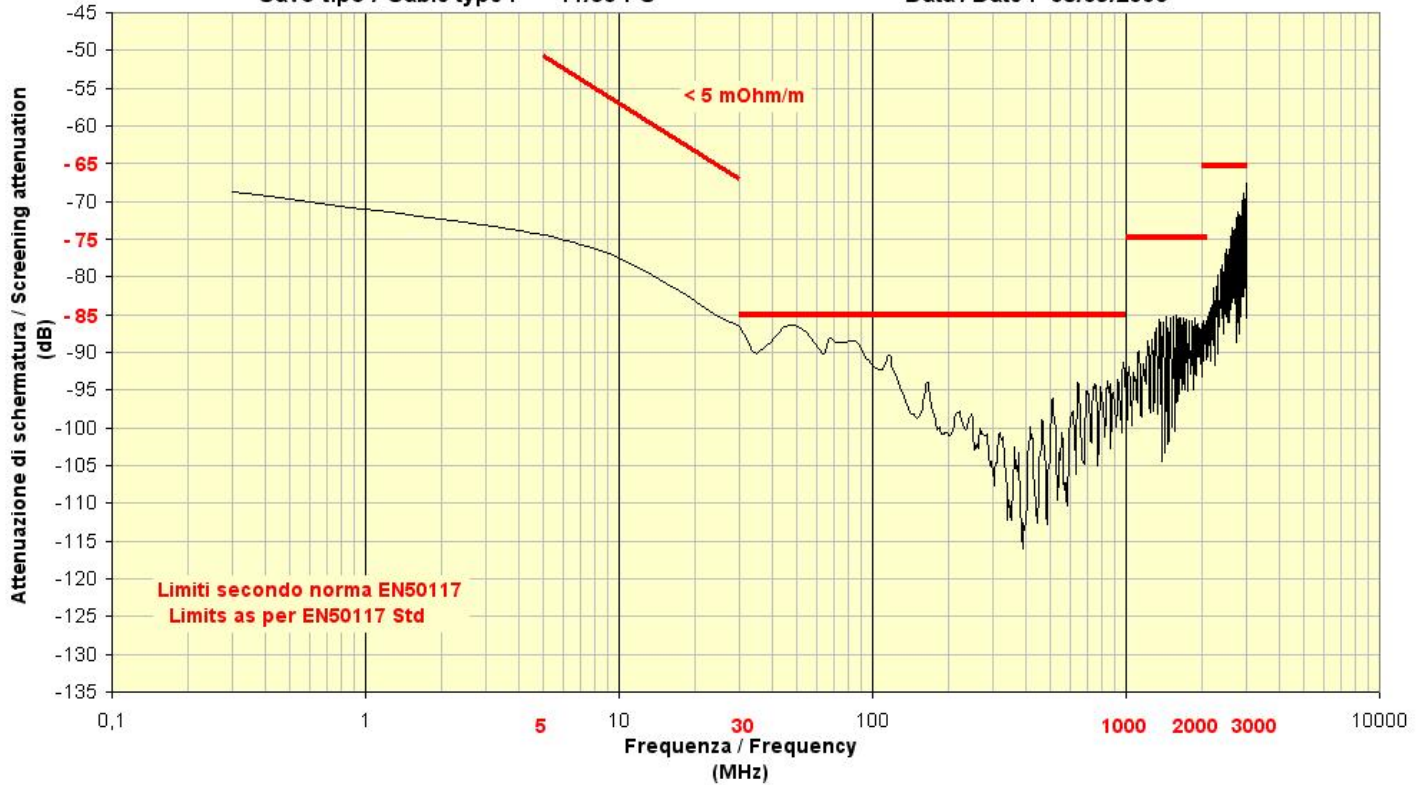


Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : 11/50 FC

Data / Date : 08/09/2006



STANDARD PACKAGING

Mod 4

500 m in reel

CONNECTORS

FA11/50

F male twist-on connector for indoor installation

F11/50

F male crimp connector for indoor installation

FC703SL

F male compression connector for outdoor installation

FM-21

F male connector for outdoor and underground installation