

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



CAVEL Code:

17/73FC

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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
Water repellent sealing (dielectric)	(Jelly1)	
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper wires	(Cu)	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 0 10,10 ± 0,15 mm
printed each meter by yellow ink-jet :	(ss=week, aa=year) (m=meter marking)	

CCS TV 75 Ohm CAVEL 1.7/7.3 FC MADE IN ITALY EN50117-2-3 ss/aa m

Mechanical Parameters

Weight of copper conductors	40,60	kg/km
Total weight of cable	85,60	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	9,5	Ohm/Km
loop Resistance	18,0	Ohm/Km
Maximum current (Ieff)	16,0	A
Insulation voltage of the sheath (spark test)	8,0	kV
Comply to the Standard:	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

Transfer impedance

5 - 30 MHz < 0,5 mOhm/m

Screening attenuation (SA)

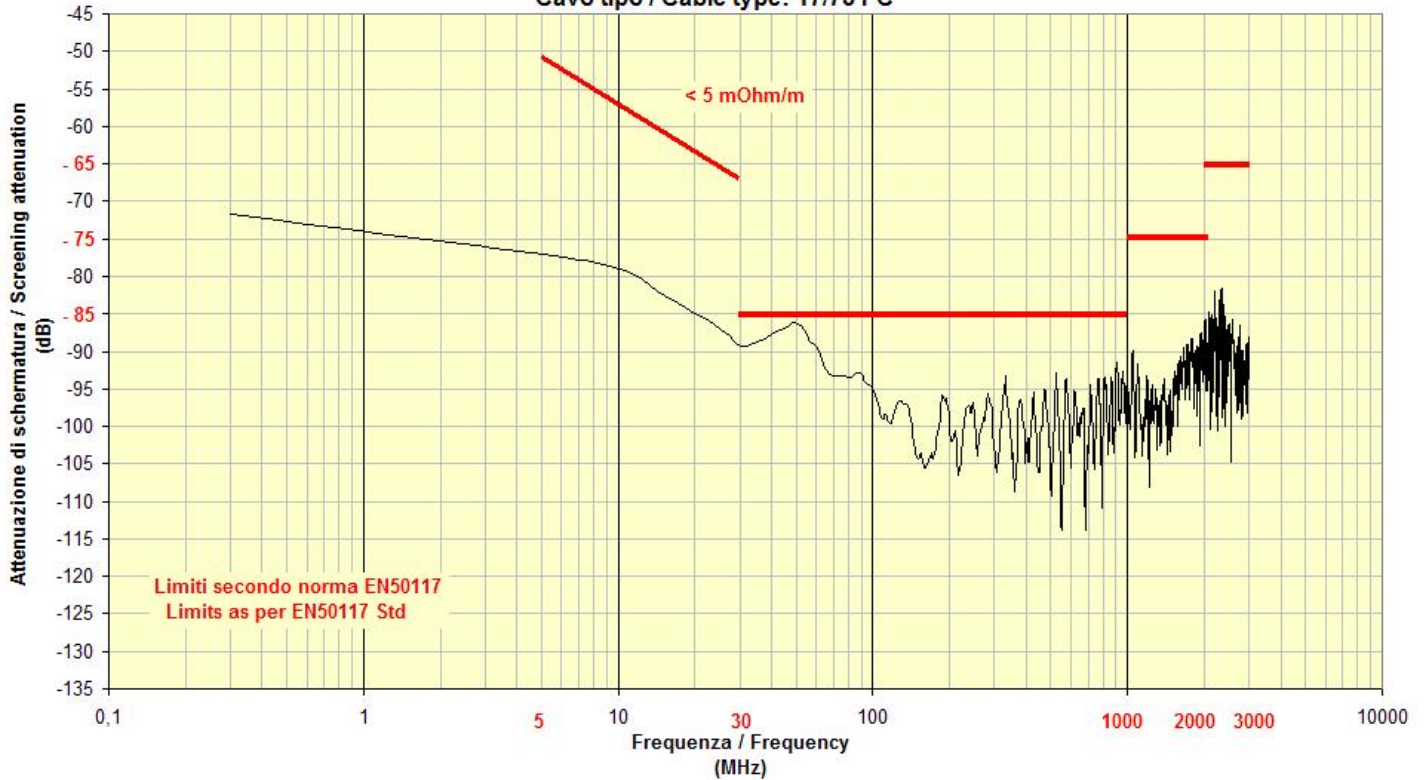
30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>95 dB
2000 - 3000 MHz	>85 dB



Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type: 17/73 FC



Standard Packaging

Mod 4 Plywood drum

500 m in reel

Connectors

3,5/12M-32	3,5/12" connector for outdoor and underground installation
5/8MU-32	5/8" connector for outdoor and underground installation
F163	F male crimp connector for indoor installation
FA17/73	F male twist-on connector for indoor installation
FC11	F male compression connector for outdoor installation
FM-32	F male connector for outdoor and underground installation
IEC14M-32	IEC male connector for outdoor and underground installation
NM-32	N male connector for outdoor and underground installation