

## Description

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



## Data Sheet

17/73FC



1,63	7,20	7,30	7,78		10,10
(Cu)	(PEG)	(Cu/Pet)	(Cu)	(Jelly2)	(PE)

## Constructive data

Inner conductor of plain copper	(Cu)	1,63 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	7,20 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		64 %	
Tracer Identifier	Year + Flag		mm
Water repellent sealing (sheath)	(Jelly2)		
Diameter under Sheath		7,78	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

**CCS TV 75 Ohm CAVEL 1.7/7.3 FC MADE IN ITALY EN50117-2-3 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa m**

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

## Electrical data

Characteristic impedance (@ 200 MHz)		75 ± 2	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity factor		85 %	
Outer conductor resistance		9,50	Ohm/km
Loop resistance		18	Ohm/km
Insulation voltage of the sheath (spark test)		8	kV
Maximum current (Ieff)		16,00	A
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>23 dB		
2000 - 3000 MHz	>20 dB		
Screening attenuation (SA)			Transfer impedance
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 0,5 mOhm/m
1000 - 2000 MHz	>95 dB		
2000 - 3000 MHz	>85 dB		

## ITALIANA CONDUTTORI s.r.l.

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## Date

08/09/2008

## Responsible

PierPaolo Piccinini

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Underground installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	11,50
10	1,50	1000	12,40
30	1,90	1750	17,10
50	2,50	2150	19,20
200	5,30	2400	20,40
300	6,50	3000	23,30
470	8,30		

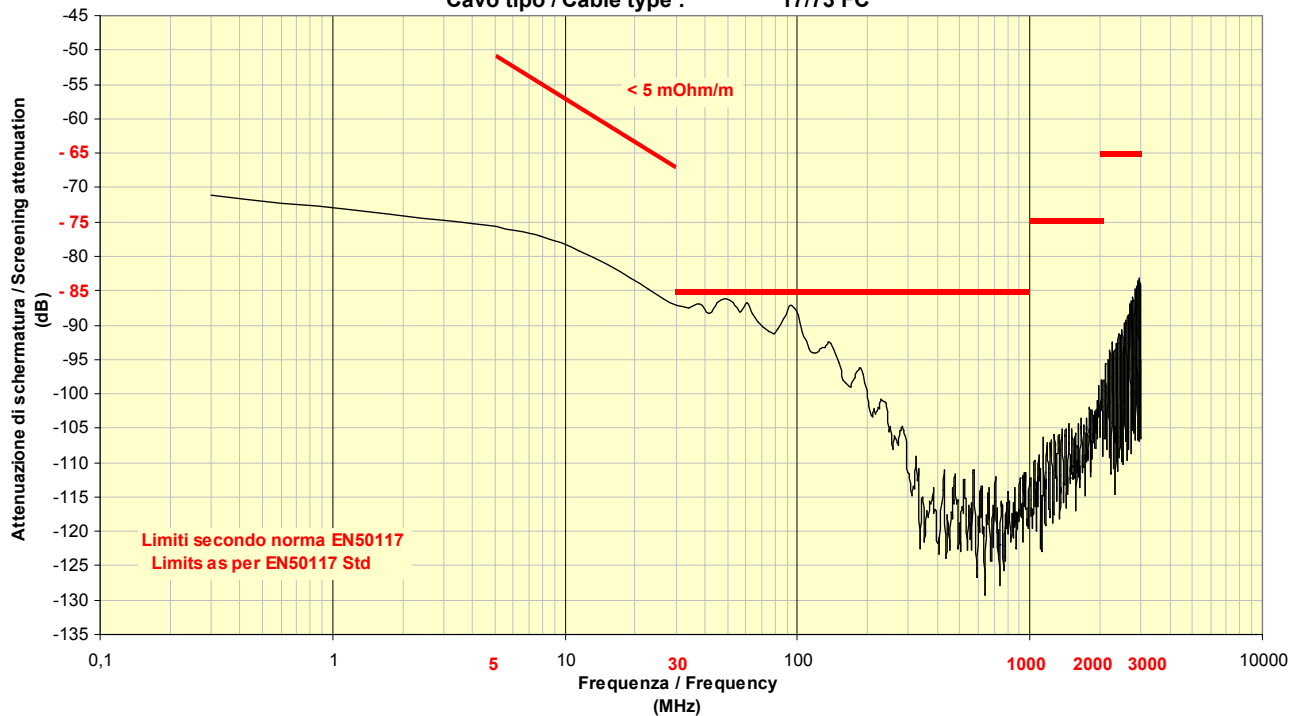
## Mechanical data

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

## Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : 17/73 FC



## Connector

<b>FA17/73</b>	F male twist-on connector for indoor installation, nitin-plated brass - 33,0 x 14,5 mm
<b>F163</b>	F male crimp connector for indoor installation, nitin-plated brass - 35,0 x 14,0 mm
<b>FC11</b>	F male compression connector for outdoor installation, nitin-plated brass - 45,0 x 16,0 mm
<b>FM-32</b>	F male connector for outdoor and underground installation, nitin-plated brass - 56,4 x 20,5 mm
<b>IEC14M-32</b>	IEC male connector for outdoor and underground installation, nitin-plated brass - 64,5 x 21,0 mm
<b>NM-32</b>	N male connector for outdoor and underground installation, nitin-plated brass - 62,5 x 21,0 mm
<b>5/8MU-32</b>	5/8" connector for outdoor and underground installation, nitin-plated brass - 69,0 x 20,5 mm
<b>3,5/12M-32</b>	3,5/12" connector for outdoor and underground installation, nitin-plated brass - 65,5 x 24,5 mm

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