

## Description

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

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

17PATC



1,13	4,80	4,90	5,30	6,80
(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PE)

## Constructive data

Inner conductor of plain copper	(Cu)	1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		45 %	
Diameter under Sheath		5,30	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	6,80 ± 0,10	mm

Printed each meter by yellow ink-jet :

**CAVEL 17PATC/PH MADE IN ITALY EN50117-2-5 CLASSE A CEI-UNEL 36762 C-4 (U0 =400V) ss/aa 75 Ohm - m**

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

## Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	22	Ohm/km
Loop resistance	40	Ohm/km
Insulation voltage of the sheath (spark test)	5	kV
Maximum current (Ieff)	8,00	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	>85 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

## Transfer impedance

5 - 30 MHz < 1,5 mOhm/m

## ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli  
Tel +39-382.815150 Fax +39-0382.814212

## Date

11/07/2008

## Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	800	16,40
10	2,10	862	17,10
30	3,20	1000	18,50
50	4,10	1750	24,90
200	7,90	2150	27,90
300	9,80	2400	29,60
470	12,40	3000	33,40

## Mechanical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	36,03	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	150	N

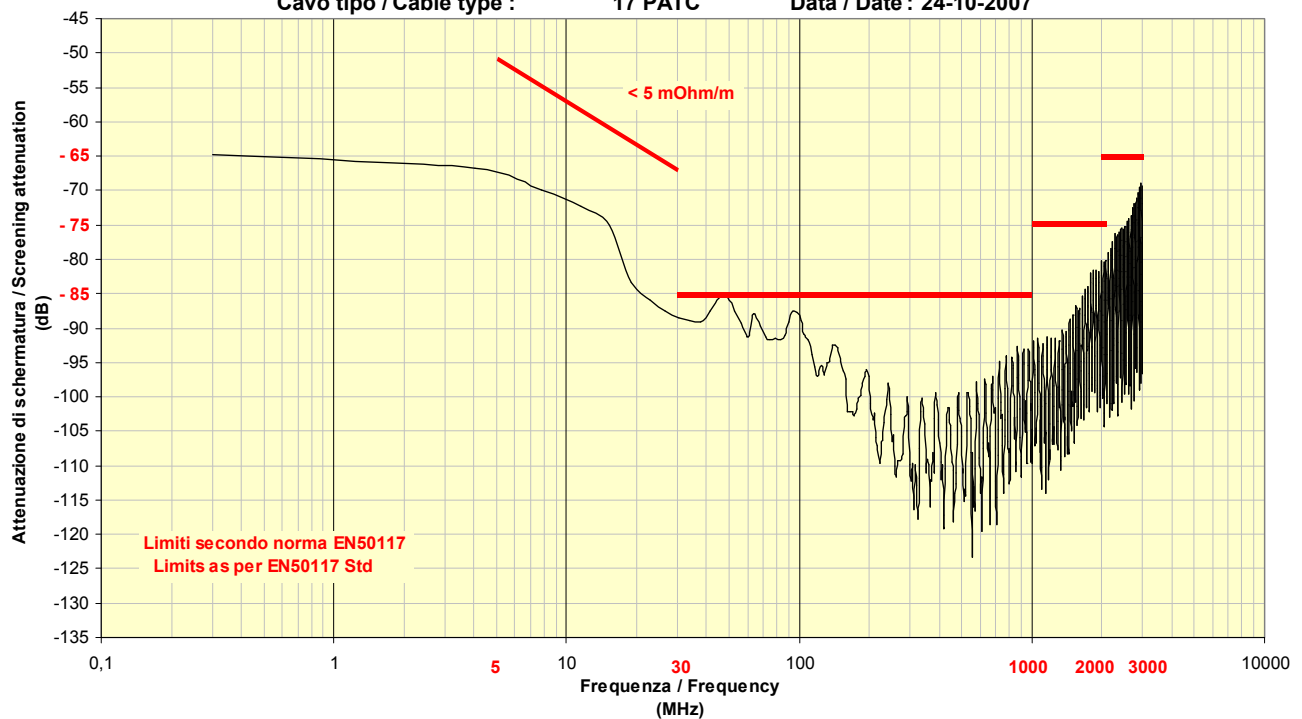
## Attenuazione di schermatura / Screening Attenuation

## Cavo classe A / A Class Cable

Cavo tipo / Cable type :

17 PATC

Data / Date : 24-10-2007



## Connector

<b>FA17</b>	F male twist-on connector for indoor installation, nitin-plated brass - 22,0 x 12,0 mm
<b>F703</b>	F male crimp connector for indoor installation, nitin-plated brass - 21,0 x 12,0 mm
<b>FC703</b>	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
<b>BNCC703</b>	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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