

Description

Double Shielded Coaxial Drop Cable, for Wide Band - 75 Ohm
Coaxial Drop Cable for Wide Band - 75 Ohm
PE Outer Sheath

**Data Sheet****17PATC**

Ø	1,13	4,80	4,90	5,30	6,70
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PE)

Class CPR acc. to UE 305/2011 (DoP)

Fca

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

Standards

EN50117-10-2

CEI-UNEL 36762

Reaction to Fire

EN50575

Application

Exterior and Underground Installation

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Aluminum/Polyester/Aluminum tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		45	%
Diameter over Braid		Ø 5,30	mm
Outer sheath of Polyethylene - black (RAL 9011) - with carbonblack	(PE)	Ø 6,70 ± 0,10	mm
Printed each meter by yellow ink-jet :			

CAVEL 17PATC/PH MADE IN ITALY 75 Ohm Euroclass Fca EN50117-10-2 CEI-UNEL 36762 C-4 (U0 = 400V)
gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	36,02	kg/km
Minimum bending radius (single/repetead bending)	35/70	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
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ITALIANA CONDUTTORI s.r.l.

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Date

17/10/2022

Responsible

A. Bergaglio

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Capacitance (@1kHz)	52 ± 2	pF/m
Velocity Ratio	85 %	
Inner conductor resistance	18	Ohm/km
Outer conductor resistance	22	Ohm/km
Loop resistance	40	Ohm/km
Sheat Insulation voltage (spark test)	3	kV
Maximum current (Ieff)	8	A
Structural return loss (SRL)		
5 - 470 MHz	>30 dB	
470 - 1000 MHz	>28 dB	
1000 - 2000 MHz	>25 dB	
2000 - 3000 MHz	>22 dB	

Screening Attenuation (SA)	SA-Class A	Transfer Impedance (Zt)	
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 27 mΩ/m
1000 - 2000 MHz	>80 dB		
2000 - 3000 MHz	>70 dB		

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	690	15,10
10	2,10	1000	18,50
30	3,20	1750	24,90
50	4,10	2150	27,90
200	8,00	2400	29,60
300	9,80	3000	33,40
470	12,40		

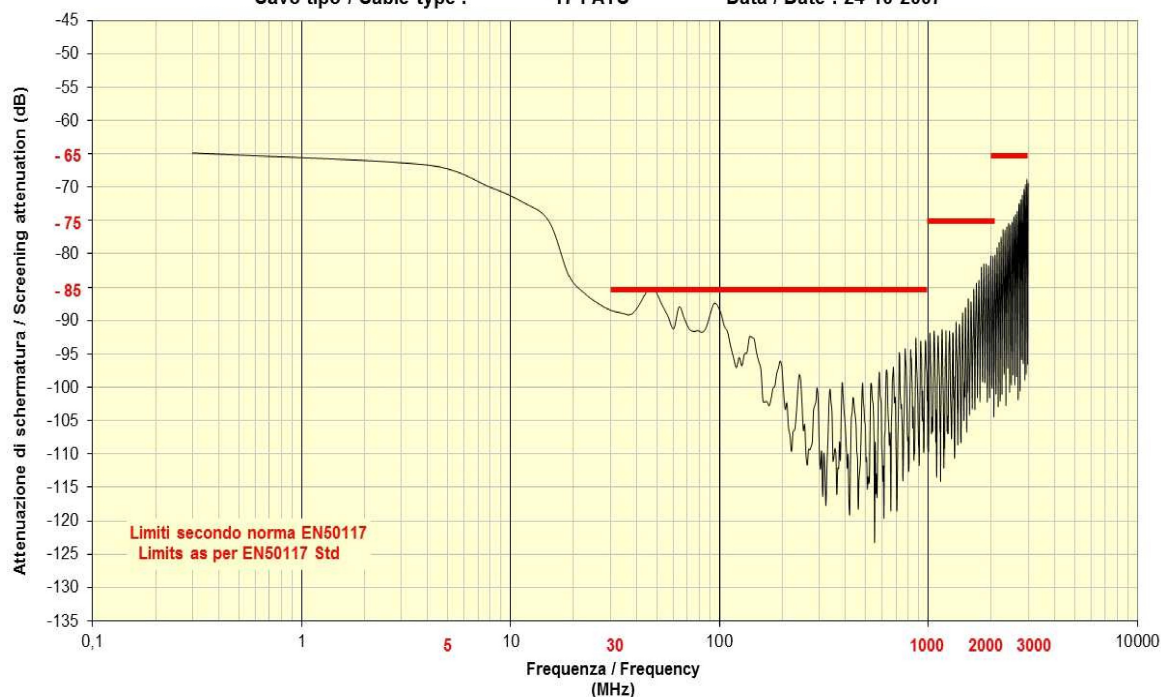
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**Data Sheet****17PATC****Attenuazione di schermatura / Screening Attenuation****Cavo classe A / A Class Cable****Cavo tipo / Cable type : 17 PATC****Data / Date : 24-10-2007****ITALIANA CONDUTTORI s.r.l.**

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