

## Description

Multipair coaxial cable - 75 Ohm

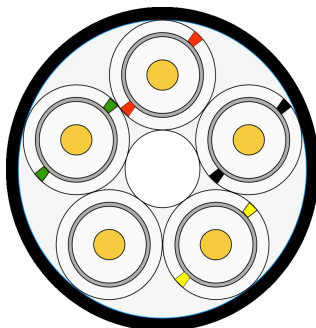
Coaxial Cables

CAVEL®

since 1968

## Data Sheet

5X17VATCM



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

Eca

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

EN 50117-2-5

## Reaction to Fire

EN50575

## Construction data

Polyester film spirally wrapped

(Pet)

## Attached Data Sheet

17VATC

## Sheath Colour

white (PVC)

white with two black bands (PVC)

white with two yellow bands (RAL 1021)

white with two green bands (RAL 6018)

white with two red bands (RAL 3000)

Central Filler, leadfree

Ø 4,80

mm

Outer sheath of Thermoplastic material - black - halogen free and flame retardant

(LSZH)

Ø 20,00 ± 0,25

mm

Zinc-plated steel rip cord

(FeZn)

Ø 0,40

mm

Printed each meter by yellow ink-jet :

**CAVEL 5x17VA<sub>t</sub>CM/PH POUR INTERIEUR-EXTERIEUR MADE IN ITALY 75 Ohm Euroclass Eca  
EN50117-2-5 CEI-UNEL 36762 C-4 (U<sub>0</sub> =400V) gggaan - metrica**

## ITALIANA CONDUTTORI s.r.l.

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

## Date

29/02/2016

## Responsible

Alberto Scardovi

## Description

Multipair coaxial cable - 75 Ohm

Coaxial Cables

**CAVEL**<sup>®</sup>

since 1968

## Data Sheet

**5X17VATCM****Physical data**

Weight of copper conductors	74,55	kg/km
Total weight of cable	362,46	kg/km
Minimum bending radius (single/repeated bending)	100/200	mm
Max. Tensile Strength	800	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

**Connectors**

<b>BNCC703</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>F703</b>	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>F90</b>	Series F Crimp, F Crimp, for INDOOR installation
<b>FA17</b>	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>FA703</b>	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>FC7.0QM</b>	Series F Compression, Quick Mount, for OUTDOOR installation
<b>FC703</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
<b>FCEM7.0C</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
<b>FCPO5.1C</b>	Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
<b>FR703</b>	Series F Crimp, F crimp, "Rapid", for INDOOR installation
<b>IECF5.1C</b>	Series IEC (toolless), female, no tool, for INDOOR installation
<b>IECF90C</b>	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
<b>IECF703</b>	Series IEC Compression, female, no tool, for OUTDOOR installation
<b>IECM5.1C</b>	Series IEC (toolless), male, no tool, for INDOOR installation
<b>IECM90C</b>	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
<b>IECM703</b>	Series IEC Compression, male, for OUTDOOR installation
<b>FC703C</b>	Series F Compression, F Compression, for OUTDOOR installation

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## Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable

Coaxial Cables

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## Data Sheet

17VATC

5X17VATCM

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

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

Eca

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## Standards

EN 50117-2-4

## Reaction to Fire

EN50575

## 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	%
Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	Ø 6,80 ± 0,10	mm

Printed each meter by blue ink-jet :

**CAVEL 17VATc/PH MADE IN ITALY 75 Ohm Euroclass Eca EN50117-2-4 CEI-UNEL 36762 C-4 (U0 = 400V)**  
gggaan m

(ggg=day)(aa=year)(n=batch) (m=meter marking)

## Physical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	40,42	kg/km
Minimum bending radius (single/repeated 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
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

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## Responsible

PierPaolo Piccinini

Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable



Data Sheet

17VATC

5X17VATCM

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

SA-Class A

Transfer Impedance (Zt)

5 - 30 MHz

Zt-Class C

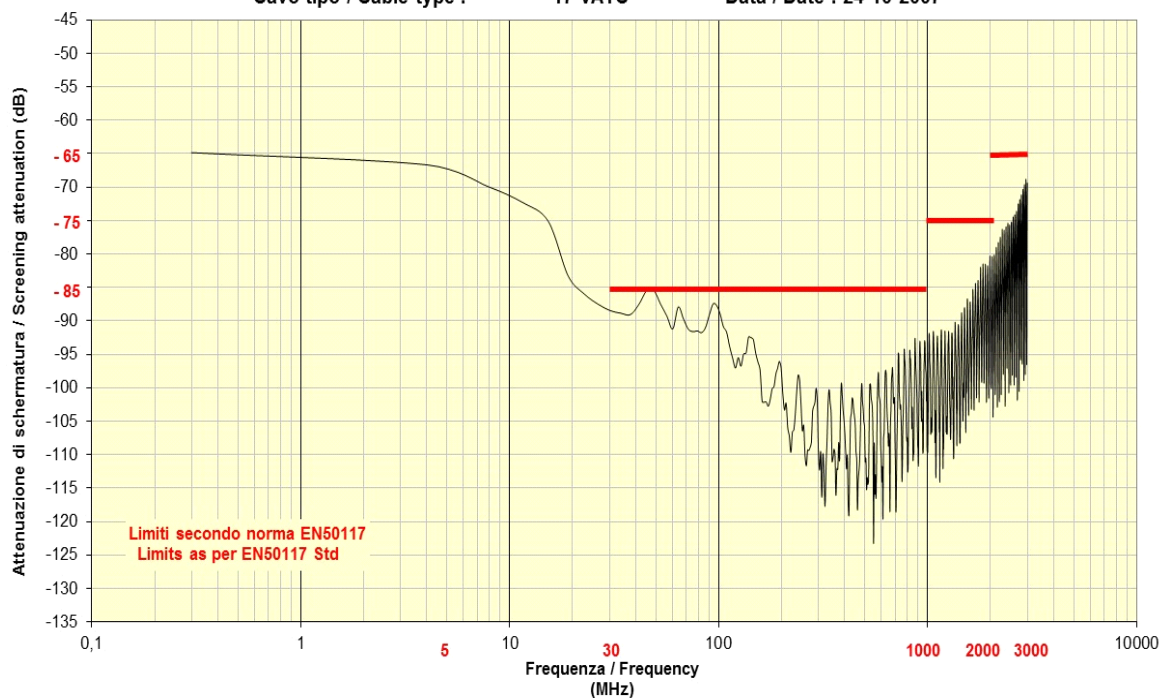
< 27 mΩ/m

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : 17 VATC

Data / Date : 24-10-2007



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**Date****29/02/2016****Responsible****PierPaolo Piccinini**