

## Description

Indoor drop coaxial cable - 75 Ohm

Indoor / Outdoor installation cable



Data Sheet

17VATC



Ø	1,13	4,80			6,70
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PVC)

## 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

EN50117-9-2

CEI-UNEL 36762

## Reaction to Fire

EN50575

## Application

Indoor 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 Polyvinylchloride - white - lead-free	(PVC)	Ø 6,70 ± 0,10	mm

Printed each meter by blue ink-jet :

**CAVEL 17VATc/PH MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 CEI-UNEL 36762 C-4 (U0 = 400V)  
gggaan(n) m**

(gggaan=batch number 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	-20 / +70	°C

## Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		22	Ohm/km

## ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

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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	>26 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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**17VATC****Connectors**

<b>BNCC703</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>C75-5L</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CCFM75GI</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CS00</b>	Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools -
<b>CS17VP</b>	Stripper for Drop Cables, for 17PATC, Tools -
<b>DR01</b>	Adapter, Nut and Washer, for INDOOR installation
<b>F703</b>	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>F81-HQ</b>	Adapter, F Adapter FF, for INDOOR installation
<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>FC703C</b>	Series F Compression, F Compression, for OUTDOOR installation
<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>FM-FF90</b>	Adapter, FM - FF 90°, for INDOOR installation
<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>IECFC703</b>	Serie 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>IECMC703</b>	Serie IEC Compression, male, for OUTDOOR installation
<b>LTE790</b>	Indoor Fittings, Filter, for INDOOR installation
<b>MM-F703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>MM-FR703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>SAT2VS</b>	Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation
<b>TV2VS</b>	Indoor Fittings, IEC TV 2-way Splitter, for INDOOR installation

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