

Description

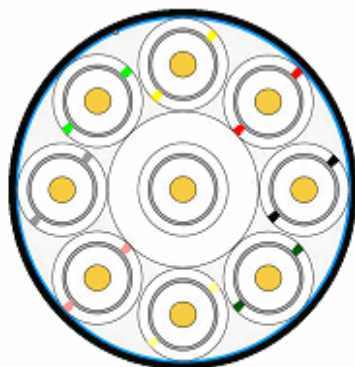
Multipair coaxial cable - 75 Ohm

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet

9X17VATCM**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

Construction data

Polyester film spirally wrapped

(Pet)

Attached Data Sheet**Sheath Colour**

17VATC

white (PVC)
 white with two gray bands (RAL 7001)
 white with two yellow bands (RAL 1021)
 white with two yellow bands (RAL 1013)
 white with two green bands (RAL 6018)
 white with two green bands (RAL 6029)
 white with two red bands (RAL 3000)
 white with two red bands (RAL 3015)
 white with two black bands (PVC)

Diameter under sheath		24,85 ± 0,20	mm
Outer sheath of Thermoplastic material - black - halogen free and flame retardant	(LSZH)	Ø 26,20 ± 0,30	mm
Zinc-plated steel rip cord	(FeZn)	Ø 0,40	mm

Printed each meter by yellow ink-jet :

CAVEL 9x17VA_tCM/PH POUR INTERIEUR-EXTERIEUR MADE IN ITALY 75 Ohm Euroclass Eca**EN50117-2-5 CEI-UNEL 36762 C-4 (U₀ =400V) gggaan - m**

(gggaan=batch number m=meter marking)

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

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since 1968

Data Sheet

9X17VATCM**Physical data**

Weight of copper conductors	132,32	kg/km
Total weight of cable	580,77	kg/km
Minimum bending radius (single/repeated bending)	130/260	mm
Max. Tensile Strength	1.400	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Connectors

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

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Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable

Coaxial Cables

CAVEL®

since 1968

Data Sheet

17VATC

9X17VATCM

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

9X17VATCM

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
30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

Transfer Impedance (Zt)

5 - 30 MHz

Zt-Class C

< 27 mΩ/m

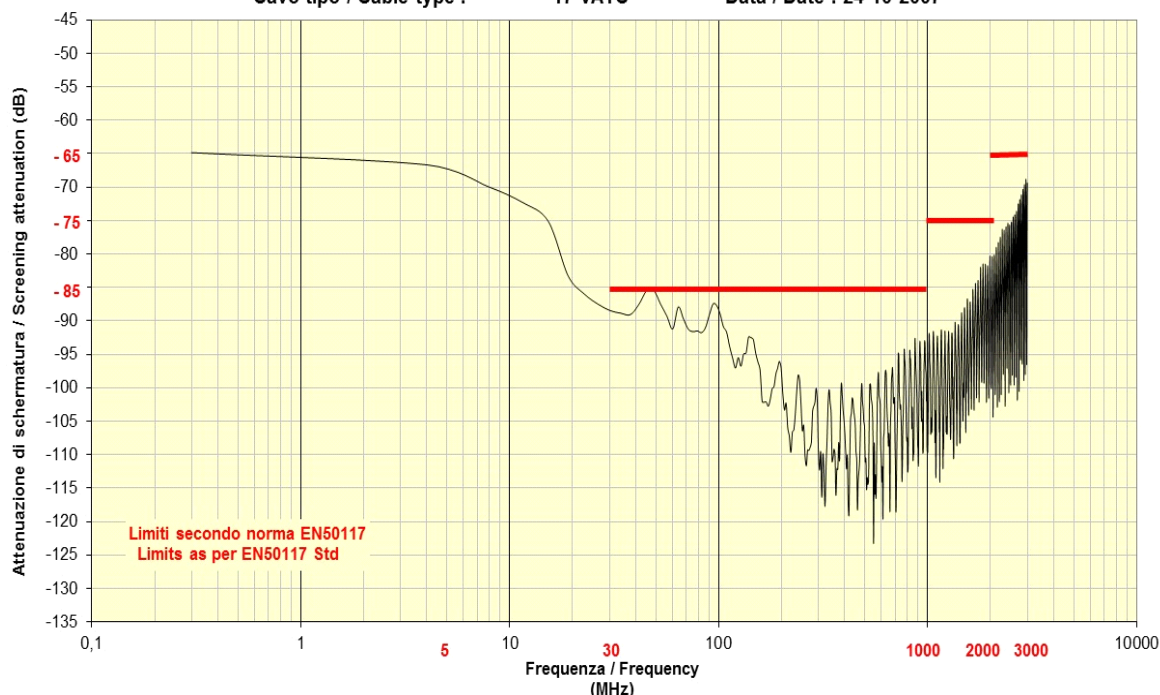
Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type :

17 VATC

Data / Date : 24-10-2007



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