

Description

"siamese" drop coaxial cable - 75 Ohm
Indoor installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

2x17VATC



Construction data

Inner conductor of plain copper	(Cu)	1,13 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10 mm
Outer Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)	
Braid of tinned copper wires	(CuSn)	
Braid optical coverage (IEC 96-1)		45 %

Attached Data Sheet

Sheath Colour

17VATC

white (PVC)

Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	14,60 x 6,80 ± 0,20 mm
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Printed each 50 cm by ink-jet :

CAVEL 2x17VATc/PH MADE IN ITALY EN50117-2-4 CLASSE A CEI-UNEL 36762 C-4 (U0 =400V) ww/yy 75 Ohm

(ss=week, aa=year)

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		18	<Ohm/km
Outer conductor resistance		22	<Ohm/km
Loop resistance		40	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV

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
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ITALIANA CONDUTTORI s.r.l.

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

Date

19/10/2009

Responsible

Giuseppe Guastella

Description

"siamese" drop coaxial cable - 75 Ohm
Indoor installation cable (Screening Class A)



Data Sheet

2x17VATC

Mechanical data

Weight of copper conductors	28,89	kg/km	
Total weight of cable	82,66	kg/km	
Minimum bending radius (single/repeated bending)	35/70	mm	
Fire Load	1.306	MJ/km	363 kWh/km

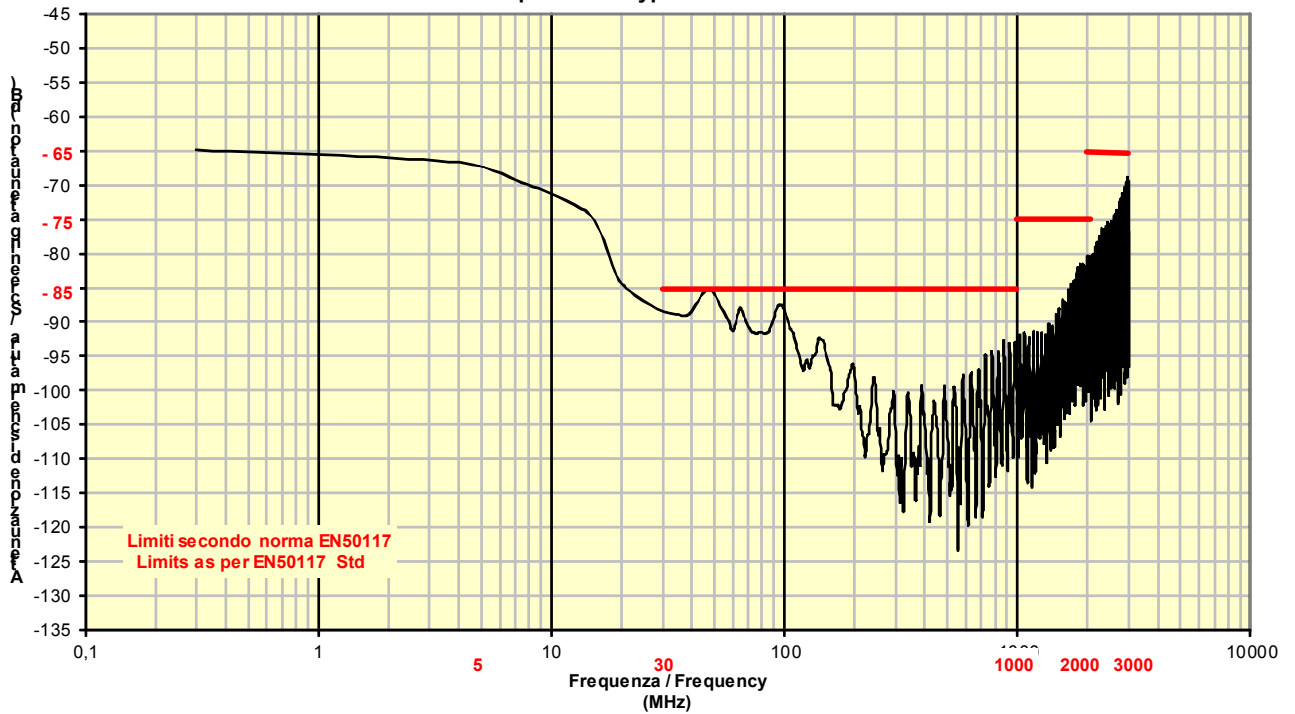
Standards

EN 50117-2-4

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type: 2 x 17 VATC



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**Data Sheet****2x17VATC****Connector**

FA17	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
FA703	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F703	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
FR703	Series F Crimp, F crimp, "Rapid", for indoor installation
F90	Series F Crimp, F Crimp, for indoor installation
BNCC703	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
IECF90C	Series IEC (no tool), Ø 5,1 90° female, for indoor installation
IECM90C	Series IEC (no tool), Ø 5,1 90° male, for indoor installation
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for outdoor installation, nitin-plated brass
FC7.0QM	Series F Compression, Quick Mount, for outdoor installation
IECF5.1C	Series IEC (no tool), female, no tool, for indoor installation
IECM5.1C	Series IEC (no tool), male, no tool, for indoor installation
IECF703	Serie IEC Compression, female, no tool, for outdoor installation
IECMC703	Serie IEC Compression, male, for outdoor installation
FC703	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm

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Data Sheet

17VATC
 2x17VATC



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

Construction 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 Polyvinylchloride - white (PVC) - lead-free	(PVC)	6,80 ± 0,10 mm

Printed each meter by blue ink-jet :

CAVEL 17VAtC/PH MADE IN ITALY EN50117-2-4 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 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		22	Ohm/km
Loop resistance		40	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV
Maximum current (I _{eff})		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

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Transfer impedance

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Date

27/02/2012

Responsible

PierPaolo Piccinini

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Data Sheet

17VATC
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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	40,42	kg/km
Minimum bending radius (single/repetead bending)	35/70	mm
Maximum cable pulling strength	150	N

Standards

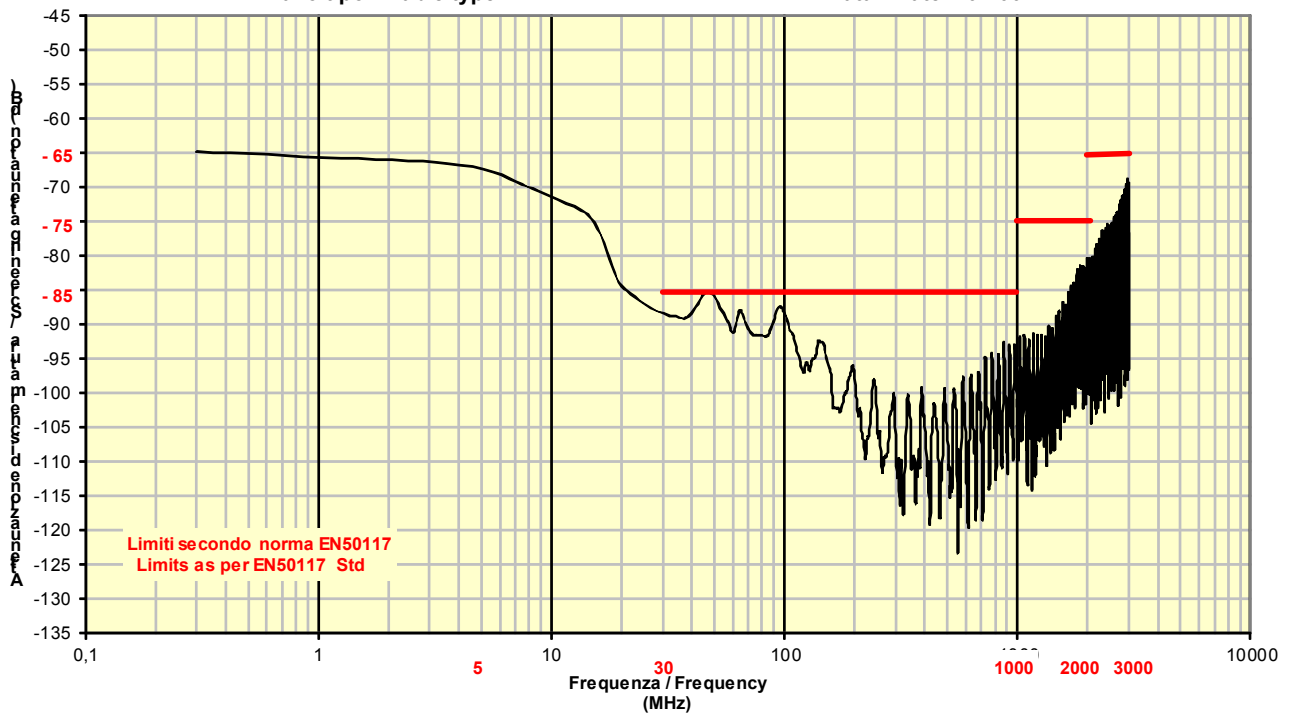
EN 50117-2-4

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : 17 VATC

Data / Date : 12/2007



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