

## Description

"siamese" drop coaxial cable - 75 Ohm

Security sheath of LSZH material

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

2X17VATCM



## 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

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 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	%
Outer sheath of Thermoplastic material - black - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 14,60 x 6,80 ± 0,20	mm

Printed each 50 cm by ink-jet :

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

(gggaan=batch)

## Physical data

Weight of copper conductors	28,89	kg/km
Total weight of cable	82,00	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Minimum installation temperature	-5	°C
Operating temperature	-25 / +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
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>26 dB		

## ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

## Date

20/09/2017

## Responsible

Alberto Scardovi

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2000 - 3000 MHz >22 dB

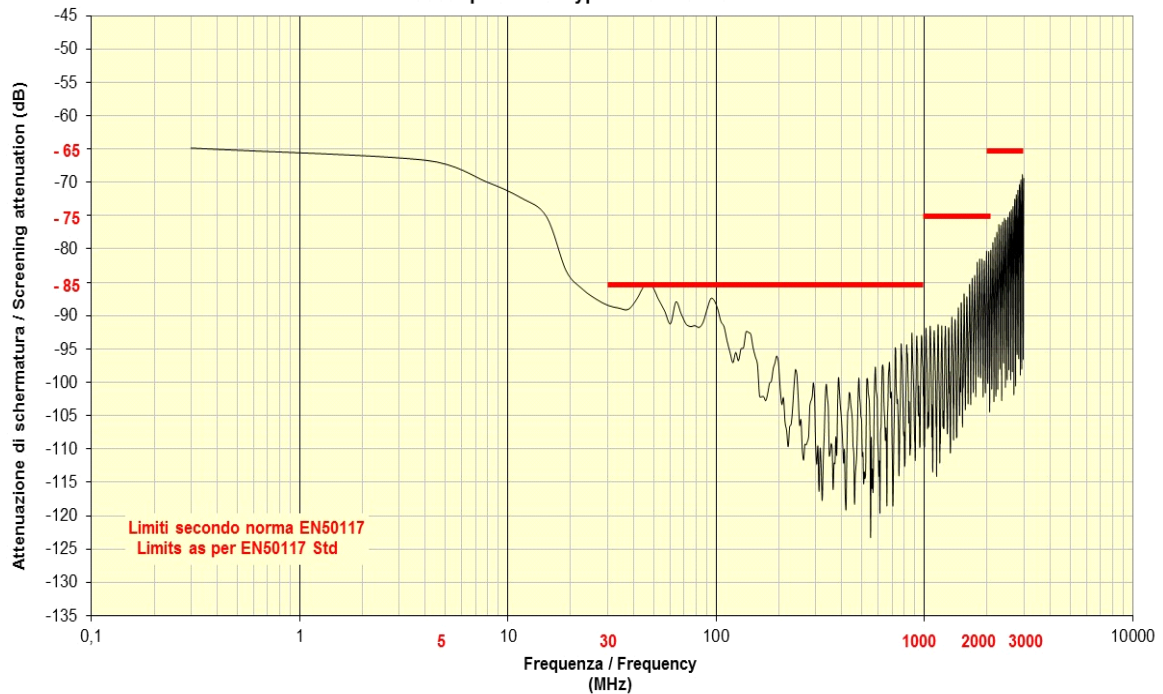
Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class C
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 27 mΩ/m
1000 - 2000 MHz	>80 dB		
2000 - 3000 MHz	>70 dB		

Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	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

**Attenuazione di schermatura / Screening Attenuation**

**Cavo classe A / A Class Cable**  
 Cavo tipo / Cable type: 2 x 17 VATCM



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