

Indoor drop coaxial cable - 75 Ohm

**CAVEL****KF113**

since 1968

Indoor installation cable (Screening Class A+)



Ø	1,13	4,80	4,90	5,30	6,60
	(Cu)	(PEG)	(Cu/Pet)	(Cu)	(PVC)

**Construction data**

Inner conductor of plain copper	(Cu)	1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	65 % (PEG)	4,80 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	18 x 20/23	mm/µm
Braid of annealed copper wires	(Cu)	16 x 9 x 0,10	mm
Lay length of braid		54	mm
Braid optical coverage (IEC 96-1)		72	%
Diameter under Sheath		5,30	mm
Outer sheath of Polyvinylchloride - white - lead-free	(PVC)	6,60 ± 0,10	mm

Printed each meter by yellow ink-jet :

**CAVEL KF 113 MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) \*LTE PROTECTION\***  
ss/aa 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		12,50	Ohm/km
Loop resistance		30,50	Ohm/km
Insulation voltage of the sheath (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)

30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>75 dB

## Transfer impedance

5 - 30 MHz &lt; 2,5 mOhm/m

**ITALIANA CONDUTTORI s.r.l.**

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

Date

01/10/2014

Responsible

Alberto Scardovi

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## Attenuation (at 20°C )

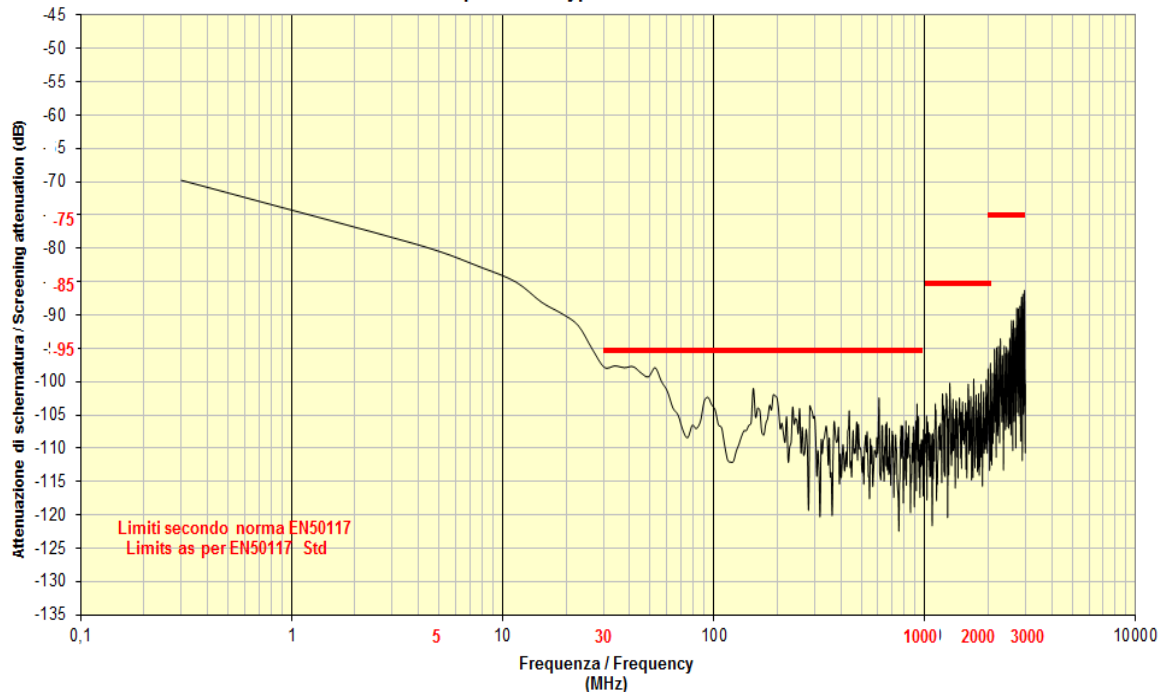
Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	862	16,25
10	1,85	1000	17,50
30	2,80	1750	23,50
50	3,65	2150	26,50
200	7,55	2400	28,10
300	9,30	3000	32,00
470	11,80		

**Physical data**

Weight of copper conductors	22,75	kg/km	
Total weight of cable	45,94	kg/km	
Minimum bending radius (single/repeated bending)	35/70	mm	
Maximum cable pulling strength	150	N	
Fire Load	606	MJ/km	168 kWh/km

**Standards**

EN 50117-2-4

**Attenuazione di schermatura / Screening Attenuation****Cavo classe A+ / A+ Class Cable**Cavo tipo / Cable type : **KF 113****ITALIANA CONDUTTORI s.r.l.**Viale Zanotti 90 I - 27027 Gropello Cairoli  
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**Connector**

<b>F703</b>	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>FA703</b>	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>BNCC703</b>	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>FC703</b>	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm

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