

## Description

Outdoor drop coaxial cable - 75 Ohm

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

KF13AS/PE

1,25  
(Cu)5,60  
(PEAS)5,70  
(Cu/Pet)6,30  
(Cu)7,80  
(PE)

## Constructive data

Inner conductor of plain copper	(Cu)	1,25 ± 0,03	mm
Dielectric of 5-cell semi air-spaced polyethylene	(PEAS)	5,60 ± 0,10	mm
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		46 %	
Tracer Identifier	Year + Flag		mm
Diameter under Sheath		6,30	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	7,80 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL KF13AS/PE week ss/aa ITALIANA CONDUTTORI SRL

(ss=week, aa=year)

## Electrical data

Characteristic impedance (@ 200 MHz)		75 ± 2,50	Ohm
Capacitance (@1kHz)		55 ± 2	pF/m
Velocity factor		82 %	
Outer conductor resistance		13	Ohm/km
Loop resistance		27	Ohm/km
Insulation voltage of the sheath (spark test)		8	kV
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 862 MHz	>25 dB		
862 - 2150 MHz	>25 dB		
Screening attenuation (SA)			Transfer impedance
30 - 1000 MHz	>85 dB		---
1000 - 2000 MHz	>95 dB		
2000 - 3000 MHz	>75 dB		

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

07/03/2008

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

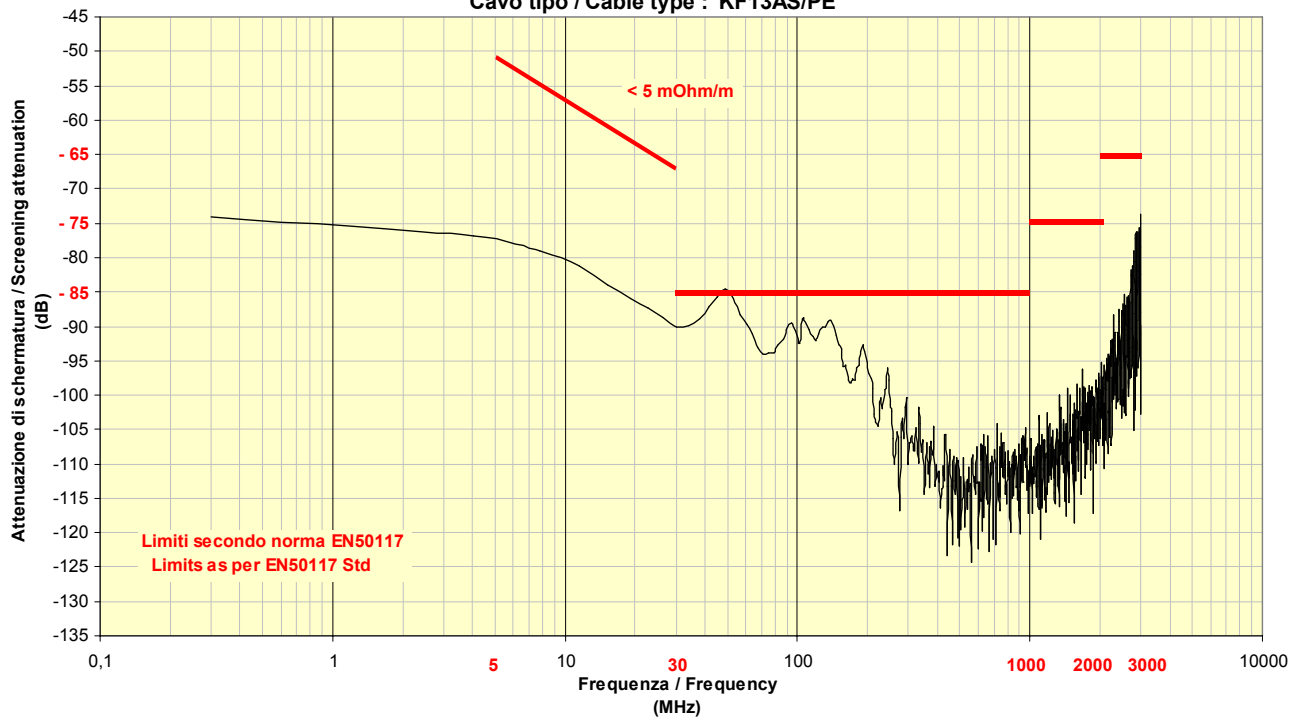
Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	15,10
50	3,40	1000	16,40
100	4,80	1350	19,50
200	6,80	1750	22,50
300	8,40	2150	25,60
460	11,10		

**Mechanical data**

Weight of copper conductors	25,80	kg/km
Total weight of cable	51,10	kg/km
Minimum bending radius (single/repetead bending)	40/80	mm

**Attenuazione di schermatura / Screening Attenuation****Cavo classe A / A Class Cable**

Cavo tipo / Cable type : KF13AS/PE

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