

Description

Distribution and trunk coaxial cable for burial installation - 75 Ohm

Coaxial Cables

CAVEL[®]

since 1968

Data Sheet

KF16AS/PE

1,63	7,25	7,37	7,97	10,10
(Cu)	(PEAS)	(Cu)	(Cu)	(PE)

Constructive data

Inner conductor of plain copper	(Cu)	1,63 ± 0,03	mm
Dielectric of 5-cell semi air-spaced polyethylene	(PEAS)	7,25 ± 0,15	mm
Copper tape longitudinally overlapped	(Cu)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		47 %	
Tracer Identifier	Year + Flag		mm
Diameter under Sheath		7,97	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

CAVEL KF16AS/PE 75 Ohm aaaa BS 5425

(aaaa=year)

Electrical data

Characteristic impedance (@ 200 MHz)		75 ± 2,50	Ohm
Capacitance (@1kHz)		54 ± 2	pF/m
Velocity factor		85 %	
Outer conductor resistance		7,50	Ohm/km
Loop resistance		16	Ohm/km
Insulation voltage of the sheath (spark test)		8	kV
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 862 MHz	>28 dB		
862 - 2150 MHz	>25 dB		
Screening attenuation (SA)			Transfer impedance
30 - 1000 MHz	>85 dB		---
1000 - 2150 MHz	>75 dB		

ITALIANA CONDUTTORI s.r.l.Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

08/09/2008

Responsible

PierPaolo Piccinini

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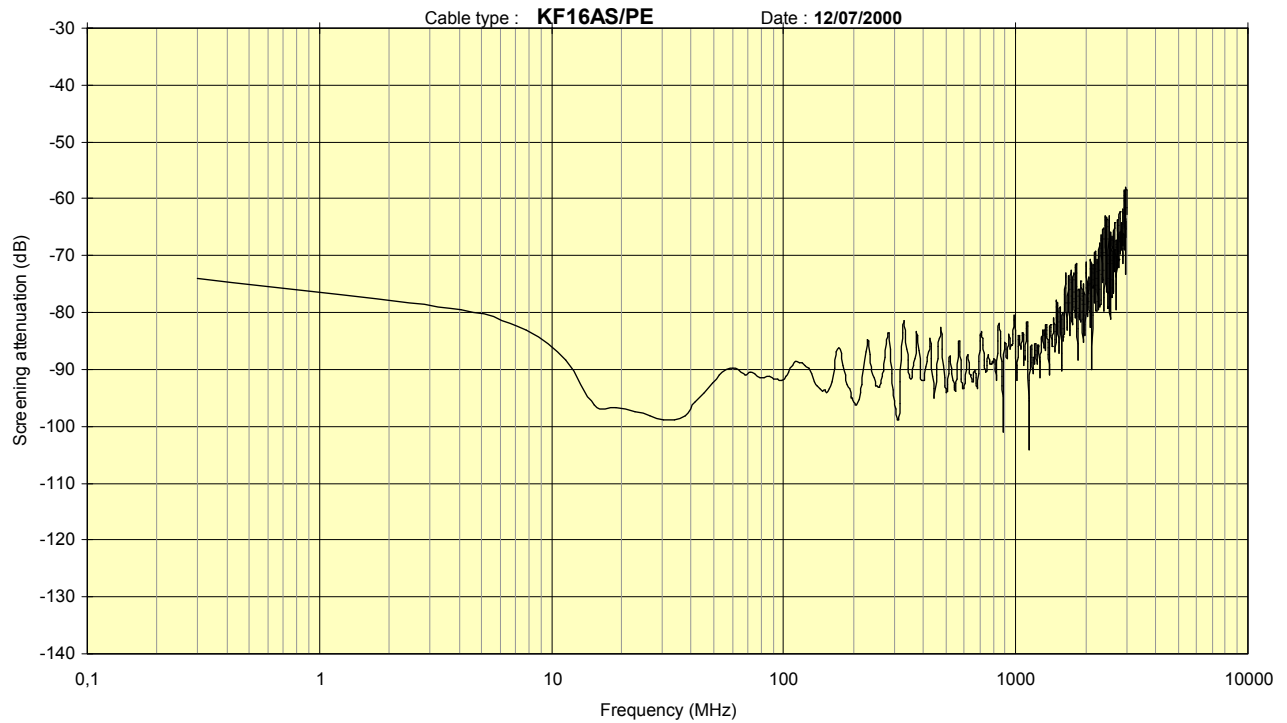
**Data Sheet****KF16AS/PE****Attenuation (at 20°C):**

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	0,90	862	12,00
50	2,60	1000	13,00
100	3,70	1350	15,50
200	5,40	1750	18,00
300	6,70	2150	20,30
460	8,80		

Mechanical data

Weight of copper conductors	44,00	kg/km
Total weight of cable	92,90	kg/km
Minimum bending radius (single/repetead bending)	50/100	mm

Efficienza di schermatura (media su 3 misure)
Screening Attenuation (average over 3 measurements)

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