Outdoor drop coaxial cable - 75 Ohm

Coaxial Cables CAVEL® since 1968

CAVEL Code:

KF13AS/PE

CONSTRUCTIVE DATA

Inner conductor of plain copper	(Cu)	Ø 1,25 mm
Dielectric of 5-cell semi air-spaced polyethylene	(PEAS)	Ø 5,60 mm
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper litz wires	(Cu)	Ø
Braid optical coverage (IEC 96-1)		47 %
Tracer Identifier	Year + Flag	
Outer sheath of Polyethylene black with carbonblack (Q4)	(PE)	Ø 7.80 ± 0.10 mm

printed each meter by yellow ink-jet : (ss=week, aa=year)

CAVEL KF13AS/PE week ss/aa ITALIANA CONDUTTORI SRL

MECHANICAL PARAMETERS

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

ELECTRICAL PARAMETERS

Characteristic impedance (@ 200 MHz)	75,00 ± 2,50	Ohm
Capacitance (@1kHz)	55,00 ± 2,00	pF/m
Velocity factor	82 %	
Inner conductor resistance	14,0	Ohm/km
Outer conductor resistance	13,0	Ohm/km
loop Resistance	27,0	Ohm/km
Insulation voltage of the sheath (spark test)	8,0	kV
Standard:	---	

-Attenuation-

Frequency (MHz)	5	50	100	200	300	460	862	1000	1350	1750	2150
dB/100m	1.10	3.40	4.80	6.80	8.40	11.10	15.10	16.40	19.50	22.50	25.60

Structural return loss (SRL)

5 - 470 MHz >30 dB
470 - 862 MHz >25 dB
862 - 2150 MHz >25 dB

Transfer impedance

Screening attenuation (SA)

30 - 470 MHz >85 dB
470 - 862 MHz >100 dB
862 - 2150 MHz >85 dB

Screening effectiveness (average over 3 measurements)

Cable type : **KF13AS/PE** Date : **24/04/2002**