

Description

Indoor drop coaxial cable - 75 Ohm

Coaxial Cables

CAVEL®

since 1968

Data Sheet

KF105AS



1,00 (Cu)	4,70 (PEAS)	4,80 (Cu/Pet)	5,28 (Cu)	6,40 (PVC)
--------------	----------------	------------------	--------------	---------------

Constructive data

Inner conductor of plain copper	(Cu)	1,00 ± 0,02 mm
Dielectric of 5-cell semi air-spaced polyethylene	(PEAS)	4,70 ± 0,15 mm
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper wires	(Cu)	
Braid optical coverage (IEC 96-1)		53 %
Diameter under Sheath		5,28 mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,40 ± 0,10 mm

Printed each meter by black ink-jet :

CAVEL KF 105 AS 75 Ohm

Electrical data

Characteristic impedance (@ 200 MHz)		75 ± 2,50	Ohm
Capacitance (@1kHz)		55 ± 2	pF/m
Velocity factor		82 %	
Outer conductor resistance		15	Ohm/km
Loop resistance		37,50	Ohm/km
Insulation voltage of the sheath (spark test)		3	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	>95 dB		

Attenuation (at 20°C) :

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	862	18,00
50	4,10	1000	19,60
100	5,80	1350	23,00
200	8,40	1750	27,00
300	10,30	2150	30,50
460	12,80		

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

Description

Indoor drop coaxial cable - 75 Ohm



Data Sheet

KF105AS

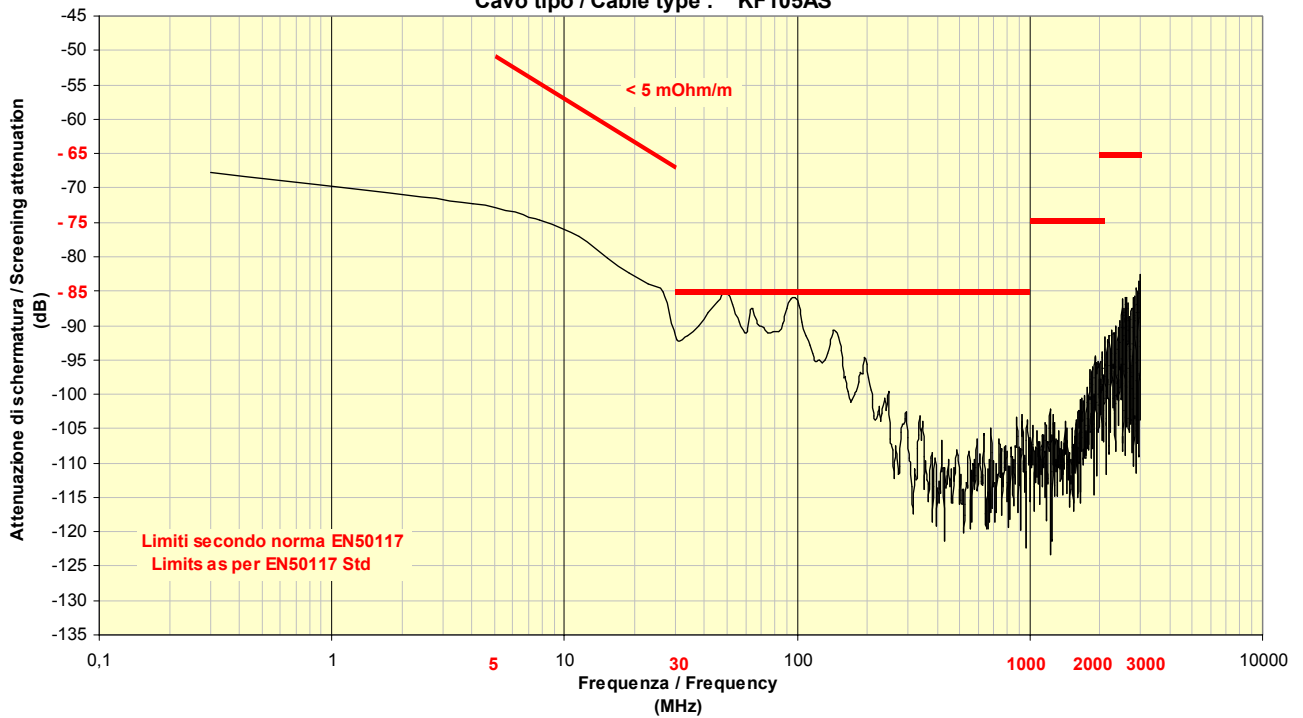
Mechanical data

Weight of copper conductors	19,20	kg/km
Total weight of cable	40,80	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : KF105AS



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