

Description

Indoor drop coaxial cable - 75 Ohm
Indoor installation cable (Screening Class B)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

KF114/NE



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

Constructive data

Inner conductor of plain copper	(Cu)	1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		37 %	
Diameter under Sheath		5,30	mm
Outer sheath of Polyvinylchloride - black - lead-free (Q1B)	(PVC)	6,60 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL KF 114 N MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) 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 %	
Outer conductor resistance		22	Ohm/km
Loop resistance		40	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV
Maximum current (I _{eff})		8,00	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)			Transfer impedance
30 - 1000 MHz	>75 dB	5 - 30 MHz	2 mOhm/m
1000 - 2000 MHz	>85 dB		
2000 - 3000 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

Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable (Screening Class B)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

KF114/NE

Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	862	16,50
10	2,00	1000	17,80
30	3,00	1750	24,20
50	3,70	2150	27,10
200	7,80	2400	28,80
300	9,60	3000	32,60
470	11,90		

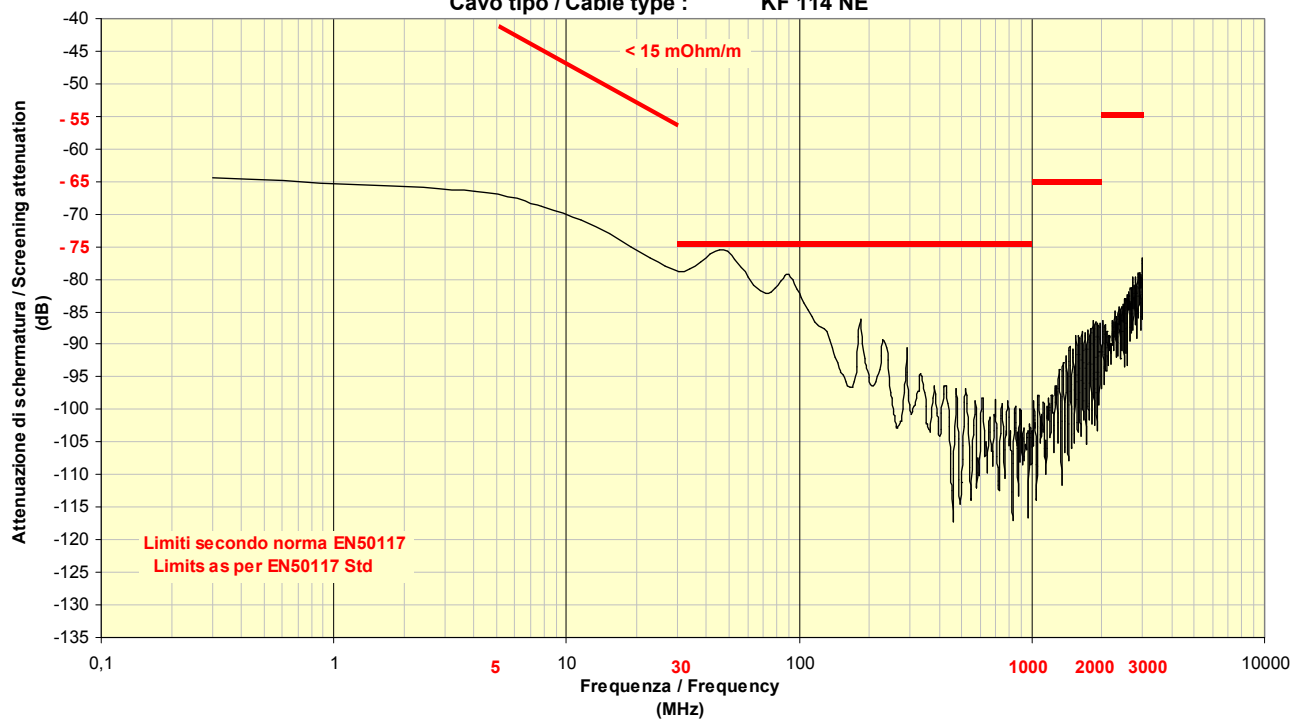
Mechanical data

Weight of copper conductors	17,20	kg/km
Total weight of cable	40,60	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	150	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe B / B Class Cable

Cavo tipo / Cable type : KF 114 NE



Connector

FA703	F male twist-on connector for indoor installation, nitin-plated brass - 22,0 x 12,0 mm
F703	F male crimp connector for indoor installation, nitin-plated brass - 21,0 x 12,0 mm
FC703	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
BNCC703	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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