

Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception (Screening Class A+)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DG113

1,13
(Cu)4,80
(PEG)4,90
(Al/Pet/Al)5,30
(CuSn)6,60
(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)		
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		72 %	
Diameter under Sheath		5,30	mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,60 ± 0,10	mm

Printed each meter by black ink-jet :

CAVEL DG 113 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	13,90	Ohm/km
Loop resistance	31,90	Ohm/km
Insulation voltage of the sheath (spark test)	3	kV
Maximum current (Ieff)	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)

30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>90 dB
2000 - 3000 MHz	>80 dB

Transfer impedance

5 - 30 MHz < 0,3 mOhm/m

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

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08/09/2008

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	862	17,10
10	2,30	1000	18,50
30	3,20	1750	24,90
50	4,10	2150	27,90
200	8,00	2400	29,60
300	9,80	3000	33,40
470	12,40		

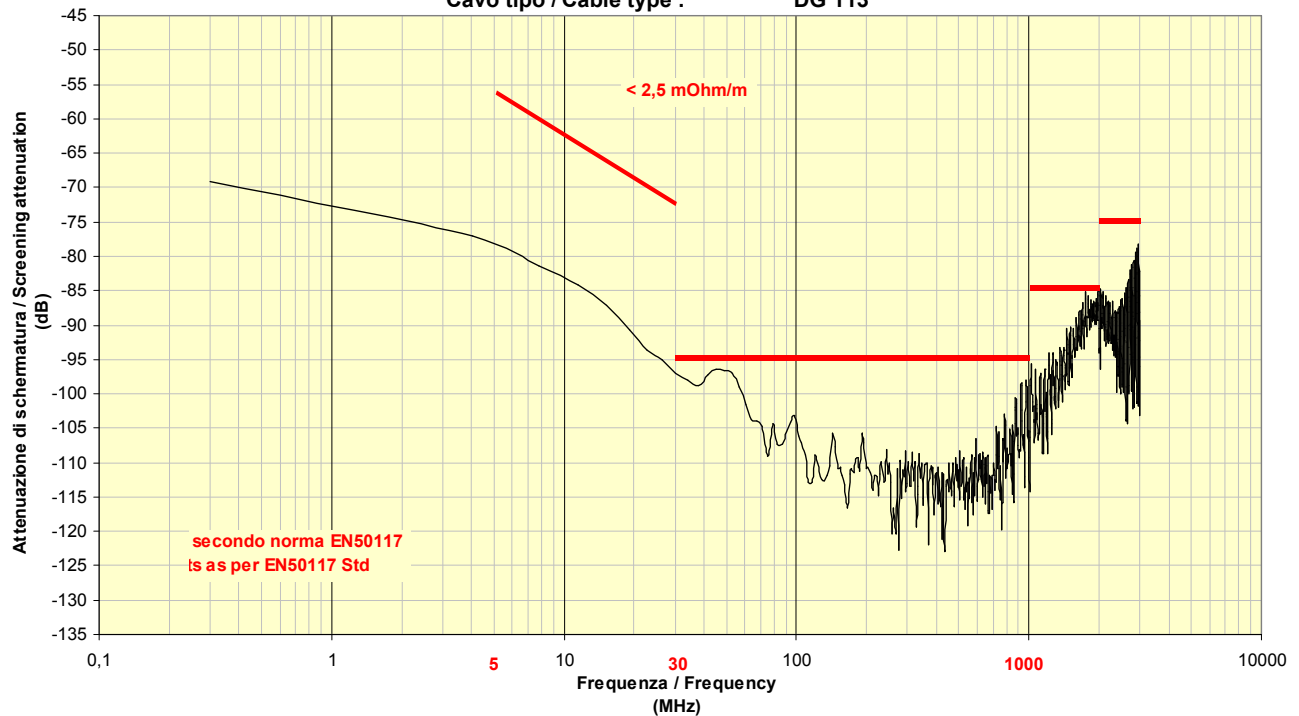
Mechanical data

Weight of copper conductors	19,20	kg/km
Total weight of cable	43,00	kg/km
Minimum bending radius (single/repetead bending)	35/70	mm
Max. cable pulling strenght	150	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type : DG 113



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

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