

Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception (Screening Class A+)

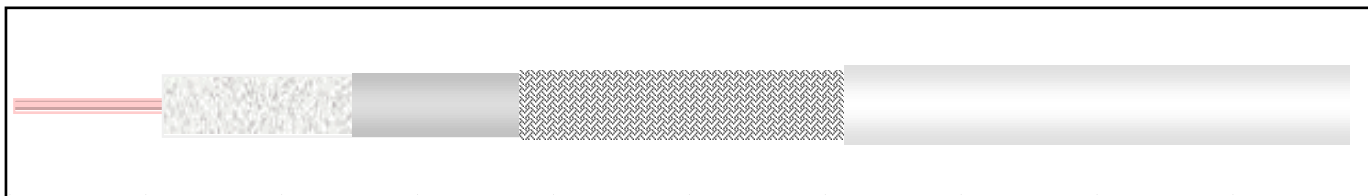
Coaxial Cables

CAVEL

since 1968

Data Sheet

DG113



1,13 (Cu)	4,80 (PEG)	4,90 (Al/Pet/Al)	5,30 (CuSn)	6,60 (PVC)
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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 %	
Alternative braid	(CuSn)		
Braid optical coverage (IEC 96-1)		68 %	
Outer sheath of Polyvinylchloride white 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 ss/aa m

(ss=week, aa=year) (m=meter marking)

Electrical data

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Inner conductor resistance	18,00	Ohm/km
Outer conductor resistance	13,90	Ohm/km
Loop Resistance	31,90	Ohm/km
Insulation voltage of the sheath (spark test)	3,00	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

Date

08/09/08

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C and dB/100m):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	862	17,20
10	2,30	1000	18,60
30	3,20	1750	25,20
50	4,10	2150	28,10
200	8,00	2400	29,70
300	9,80	3000	33,70
470	12,50		

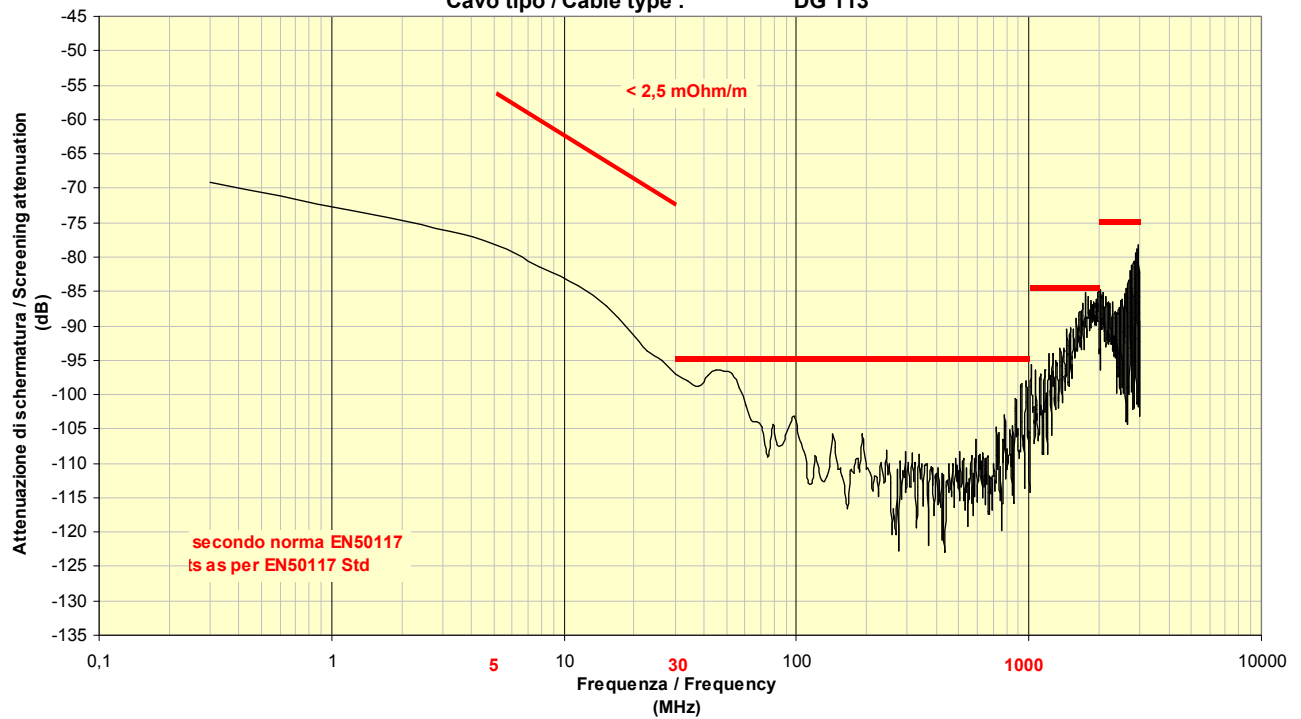
Mechanical data

Weight of copper conductors	19,20	kg/km
Total weight of cable	43,00	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	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
FC703SL	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
BNCC703SL	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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