

## Description

Outdoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception (Screening Class A+)

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

DG113PE



Ø	1,13	4,80	4,90	5,30	6,60
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PE)

## Class CPR acc. to UE 305/2011 (DoP)

F<sub>ca</sub>

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

## Standards

EN 50117-2-5

## Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Outer Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		72	%
Diameter over Braid		Ø 5,30	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 6,60 ± 0,10	mm
Printed each meter by yellow ink-jet :			

**CAVEL DG 113 PE MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V)  
ULTRA HD / 4K gggaan m**

(gggaan=batch number m=meter marking)

## Physical data

Weight of copper conductors	19,20	kg/km
Total weight of cable	37,93	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

## Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		13,90	Ohm/km
Loop resistance		31,90	Ohm/km
Sheat Insulation voltage (spark test)		5	kV

## ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

## Date

29/02/2016

## Responsible

PierPaolo Piccinini

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Maximum current (Ieff) 8 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)

SA-Class A+

Shield Transfer Impedance (Zt)

Zt-Class A

30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>85dB
2000 - 3000 MHz	>75 dB

5 - 30 MHz

< 5 mΩ/m

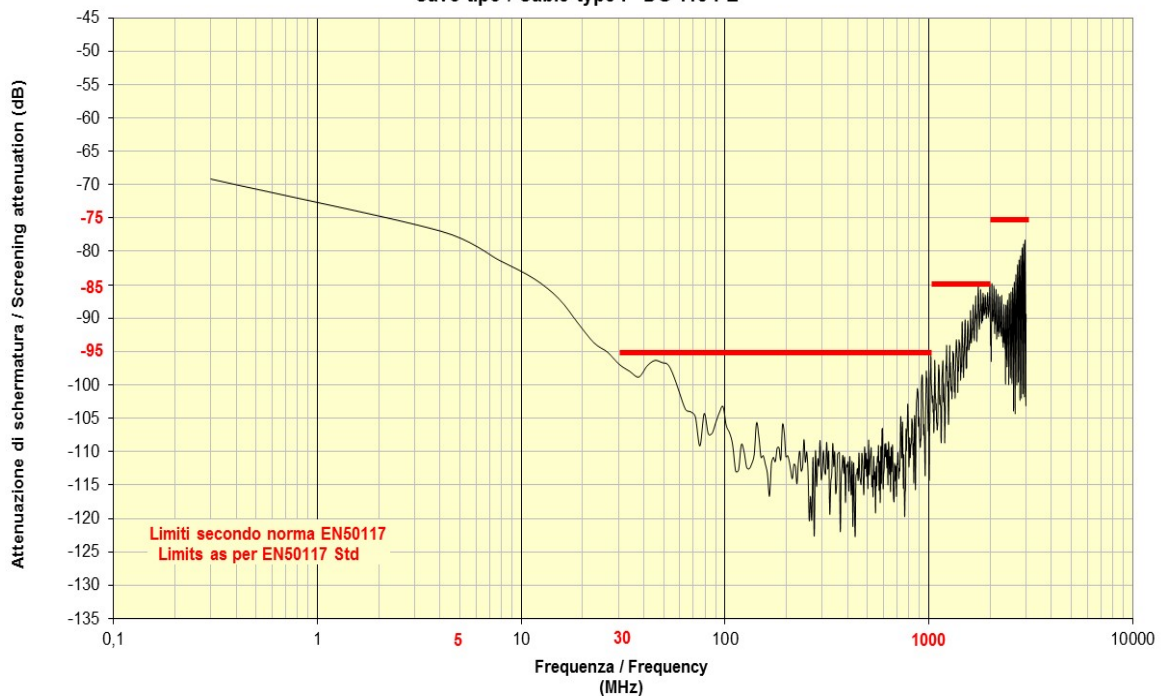
Attenuation (at 20°C )

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		

**Attenuazione di schermatura / Screening Attenuation**

**Cavo classe A+ / A+ Class Cable**

**Cavo tipo / Cable type : DG 113 PE**



**Connectors**

**BNCC703**

Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm

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- FC7.0QM**      Series F Compression, Quick Mount, for OUTDOOR installation
- FC703**        Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
- FCEM7.0C**    Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
- FCPO5.1C**    Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
- IECF5.1C**     Series IEC (toolless), female, no tool, for INDOOR installation
- IECF703**     Serie IEC Compression, female, no tool, for OUTDOOR installation
- IECM5.1C**    Series IEC (toolless), male, no tool, for INDOOR installation
- IECMC703**   Serie IEC Compression, male, for OUTDOOR installation

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