

Description

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

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DG11CUB



1,63 (Cu)	7,20 (PEG)	7,30 (Cu/Pet)	7,78 (Cu)	10,10 (PVC)
--------------	---------------	------------------	--------------	----------------

Constructive data

Inner conductor of plain copper	(Cu)	1,63 ± 0,03 mm
Dielectric of physical foam polyethylene	(PEG)	7,20 ± 0,10 mm
Water repellent sealing (dielectric)	(Jelly1)	
Outer Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper wires	(Cu)	
Braid optical coverage (IEC 96-1)		46 %
Diameter under Sheath		7,78 mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	10,10 ± 0,15 mm

Printed each meter by black ink-jet :

CCS TV 75 Ohm CAVEL DG11CUB MADE IN ITALY 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 ± 2	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	11,60	Ohm/km
Loop resistance	20,10	Ohm/km
Insulation voltage of the sheath (spark test)	5	kV
Maximum current (Ieff)	16,00	A

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>23 dB
2000 - 3000 MHz	>20 dB

Screening attenuation (SA)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>76 dB
2000 - 3000 MHz	>72 dB

Transfer impedance

5 - 30 MHz < 0,6 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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

Date

22/05/2007

Responsible

PierPaolo Piccinini

Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DG11CUB

Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	12,30
10	1,50	1000	13,20
30	2,20	1750	17,90
50	2,80	2150	20,10
200	5,60	2400	21,00
300	6,90	3000	24,50
470	8,80		

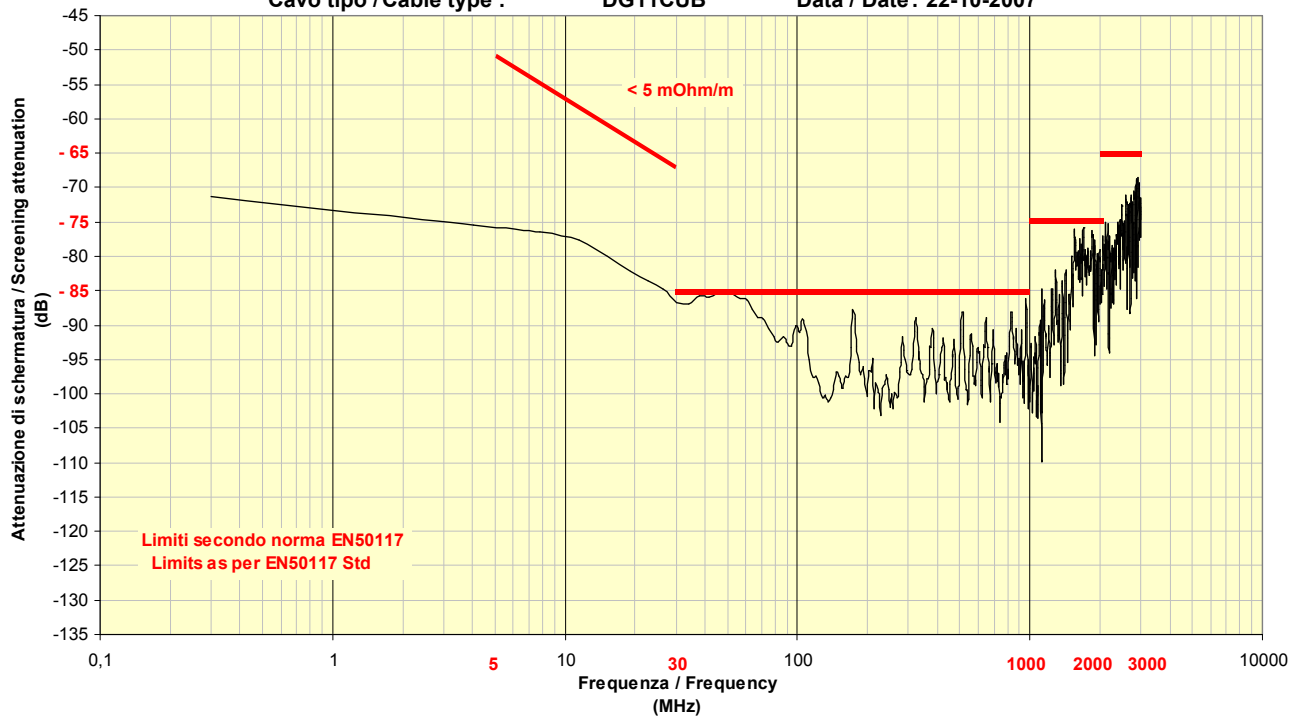
Mechanical data

Weight of copper conductors	35,50	kg/km
Total weight of cable	95,60	kg/km
Minimum bending radius (single/repetead bending)	100	mm
Max. cable pulling strenght	300	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : DG11CUB Data / Date : 22-10-2007



ITALIANA CONDUTTORI s.r.l.

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

Date

22/05/2007

Responsible

PierPaolo Piccinini