

Description

Distribution and trunk coaxial cable for burial installation - 75 Ohm
 Underground installation cable (Screening Class A)



Data Sheet

DG11CU



1,63	7,20	7,30	7,78		10,10
(Cu)	(PEG)	(Cu/Pet)	(Cu)	(Jelly2)	(PE)

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 %	
Tracer Identifier	Year + Flag		mm
Water repellent sealing (sheath)	(Jelly2)		
Diameter under Sheath		7,78	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

CCS TV 75 Ohm CAVEL DG11CU MADE IN ITALY EN50117-2-3 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)	8	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)	Transfer impedance
30 - 1000 MHz	5 - 30 MHz < 0,6 mOhm/m
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>76 dB
	>72 dB

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 Tel +39-382.815150 Fax +39-0382.814212

Date

22/05/2007

Responsible

PierPaolo Piccinini

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Underground installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

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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

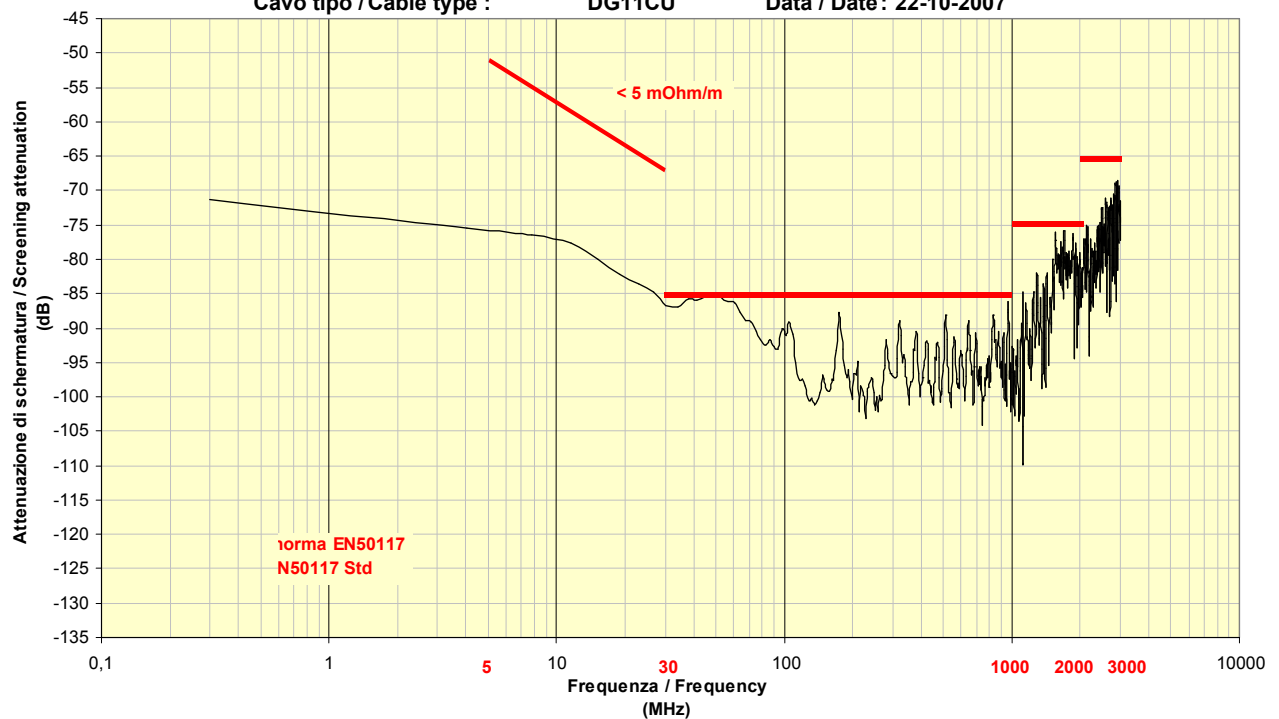
Weight of copper conductors	35,50	kg/km
Total weight of cable	83,30	kg/km
Minimum bending radius (single/repetead bending)	100	mm
Max. cable pulling strenght	300	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : DG11CU

Data / Date : 22-10-2007



Connector

FA17/73	F male twist-on connector for indoor installation, nitin-plated brass - 33,0 x 14,5 mm
F163	F male crimp connector for indoor installation, nitin-plated brass - 35,0 x 14,0 mm
FC11	F male compression connector for outdoor installation, nitin-plated brass - 45,0 x 16,0 mm

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