

## Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable (Screening Attenuation - Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DG11CUB



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

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

Eca

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

EN50117-9-2

CEI-UNEL 36762

## Reaction to Fire

EN50575

## Application

Indoor Installation

## Construction data

Inner conductor of plain copper	(Cu)	Ø 1,63 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 ± 0,10	mm
Outer Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		46	%
Diameter over Braid		Ø 7,78	mm
Outer sheath of Polyvinylchloride - white - lead-free	(PVC)	Ø 10,10 ± 0,15	mm
Printed each meter by blue ink-jet :			

**CAVEL DG11CUB MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 CEI-UNEL 36762 C-4 (U0 = 400V)**  
**gggaa(n) m**

(ggg=day)(aa=year)(n=batch) (m=meter marking)

## Physical data

Weight of copper conductors	34,50	kg/km
Total weight of cable	94,21	kg/km
Minimum bending radius (single/repeated bending)	100	mm
Maximum cable pulling strength	300	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

## Electrical data

Characteristic impedance	200 MHz	75 ± 2	Ohm
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## ITALIANA CONDUTTORI s.r.l.

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 Tel +39-382.815150 Fax +39-0382.814212

Date

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Responsible

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Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		8,50	Ohm/km
Outer conductor resistance		11,60	Ohm/km
Loop resistance		20,10	Ohm/km
Sheat Insulation voltage (spark test)		5	kV
Maximum current (Ieff)		16	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)	SA-Class A		
30 - 1000 MHz	>85 dB		
1000 - 2000 MHz	>75 dB		
2000 - 3000 MHz	>65 dB		

## 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		

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**DG11CUB****Connectors**

<b>3,5/12M-TL232</b>	3,5/12" connector, male, for UNDERGROUND (Hardline) installation -
<b>5/8MU-TL232</b>	5/8" connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 69,0 mm x 20,5 mm
<b>C75-5L</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CCFM75GI</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CS17</b>	Stripper for Distribution Cables, male, Tools -
<b>DR01</b>	Adapter, Nut and Washer, for INDOOR installation
<b>F163</b>	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>F81-HQ</b>	Adapter, F Adapter FF, for INDOOR installation
<b>FA17/73</b>	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 33,0 mm x 14,5 mm
<b>FC11QM</b>	Series F Compression, Quick Mount, for OUTDOOR installation
<b>FM-FF90</b>	Adapter, FM - FF 90°, for INDOOR installation
<b>FM-TL232</b>	Series F, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 76,0 mm x 31,0 mm
<b>IEC14M-32</b>	Series IEC (toolless), male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 64,5 mm x 21,0 mm
<b>LTE790</b>	Indoor Fittings, Filter, for INDOOR installation
<b>MM-F703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>MM-FR703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>NM-32</b>	N Connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 62,5 mm x 21,0 mm
<b>SAT2VS</b>	Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation
<b>SP-32</b>	Adapter, Splice Connector, for UNDERGROUND (Hardline) installation
<b>SR01-32</b>	Adapter, for 11/50 - RG11, for UNDERGROUND (Hardline) installation

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