

Description

Double-shielded Drop Coaxial Cable, for digital reception - 75 Ohm
Outdoor and Underground installation cable (Screening Attenuation - Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DG125



Ø	1,25	5,35	5,45	5,93	7,30
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PE)

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

Fca

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

EN50117-10-2

CEI-UNEL 36762

Reaction to Fire

EN50575

Application

4K-UHD

Exterior and Underground Installation

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,25 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 5,35 ± 0,10	mm
Aluminum/Polyester/Aluminum tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		63	%
Diameter over Braid		Ø 5,93	mm
Outer sheath of Polyethylene - black (RAL 9011) - with carbonblack	(PE)	Ø 7,30 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL DG125 MADE IN ITALY 75 Ohm Euroclass Fca EN50117-10-2 SA Class A CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 4K gggaa(n) m

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

Physical data

Weight of copper conductors	23,00	kg/km
Total weight of cable	47,21	kg/km
Minimum bending radius (single/repetead bending)	38/75	mm
Maximum cable pulling strength	250	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +80	°C

Electrical data

ITALIANA CONDUTTORI s.r.l.

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

Date

12/06/2023

Responsible

A. Bergaglio

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Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		14	Ohm/km
Outer conductor resistance		12	Ohm/km
Loop resistance		26	Ohm/km
Sheat Insulation voltage (spark test)		2,50	kV
Maximum current (Ieff)		10	A
Structural return loss (SRL)			
5 - 470 MHz	>28 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>26 dB		
2000 - 3000 MHz	>22 dB		

Screening Attenuation (SA)	SA-Class A	Transfer Impedance (Zt)	
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 11 mΩ/m
1000 - 2000 MHz	>85 dB		
2000 - 3000 MHz	>90 dB		

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	690	14,00
10	2,00	1000	17,20
30	2,90	1750	23,10
50	3,70	2150	25,80
200	7,30	2400	27,40
300	9,00	3000	31,00
470	11,50		

Connectors

- C75-5L** Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
- CCFM75GI** Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
- DR01** Adapter, Nut and Washer, for INDOOR installation
- F125A** Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 24,0 mm x 12,0 mm
- F81-HQ** Adapter, F Adapter FF, for INDOOR installation
- FM-FF90** Adapter, FM - FF 90°, for INDOOR installation
- LTE790** Indoor Fittings, Filter, for INDOOR installation
- MM-F703** Adapter, F Adapter MM, for INDOOR installation
- MM-FR703** Adapter, F Adapter MM, for INDOOR installation
- SAT2VS** Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation

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