

## Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

DG70



0,70

(Cu)

2,90

(PEG)

3,00

(Al/Pet/Al)

3,40

(CuSn)

4,30

(PVC)

## Constructive data

Inner conductor of plain copper	(Cu)	0,70 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	2,90 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		73 %	
Diameter under Sheath		3,40	mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	4,30 ± 0,10	mm

Printed each meter by black ink-jet :

**CAVEL DG 70 MADE IN ITALY 75 Ohm 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 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity factor		85 %	
Outer conductor resistance		19,60	Ohm/km
Loop resistance		65,10	Ohm/km
Insulation voltage of the sheath (spark test)		2,50	kV
Maximum current (Ieff)		3,00	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)			Transfer impedance
30 - 1000 MHz	>90 dB	5 - 30 MHz	< 0,25 mOhm/m
1000 - 2000 MHz	>85 dB		
2000 - 3000 MHz	>70 dB		

**ITALIANA CONDUTTORI s.r.l.**Viale Zanotti 90 I - 27027 Gropello Cairoli  
Tel +39-382.815150 Fax +39-0382.814212

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Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	2,50	862	27,80
10	3,50	1000	29,90
30	5,20	1750	40,30
50	6,70	2150	45,00
200	13,00	2400	47,90
300	15,90	3000	53,70
470	20,20		

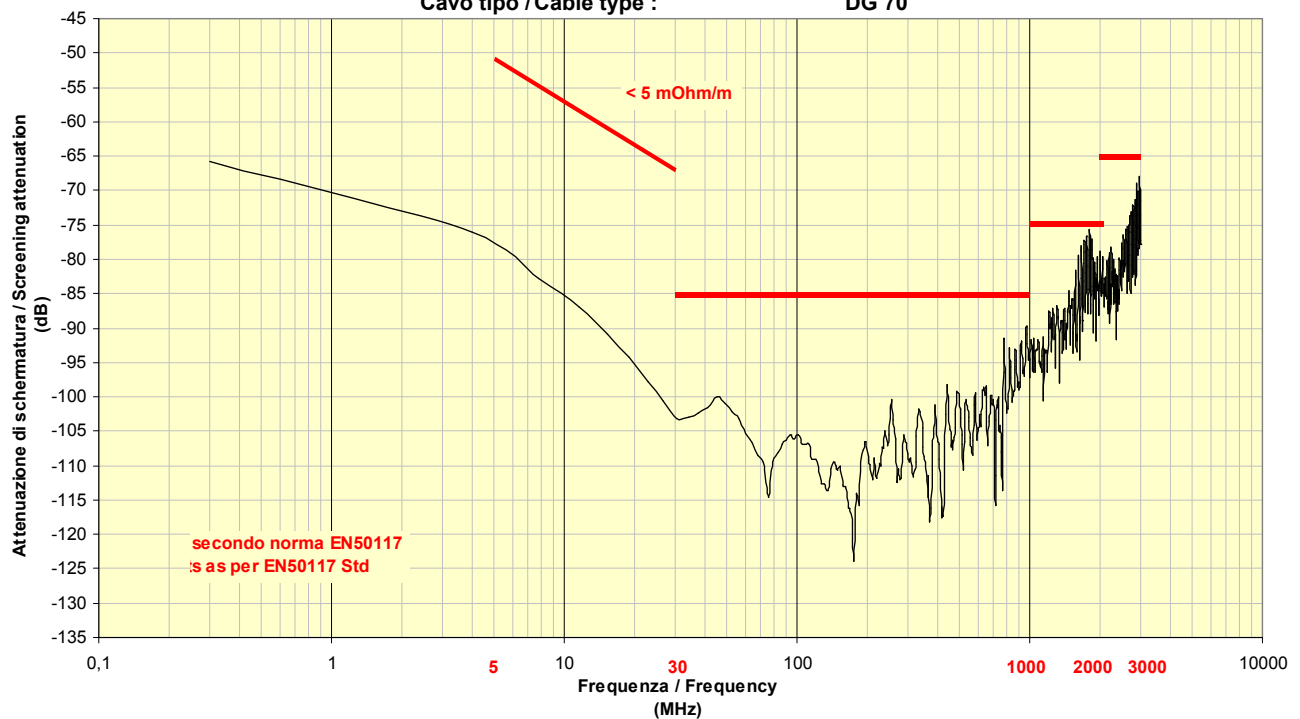
## Mechanical data

Weight of copper conductors	10,20	kg/km
Total weight of cable	20,90	kg/km
Minimum bending radius (single/repeated bending)	20/40	mm
Max. cable pulling strength	80	N

## Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : DG 70



## Connector

FA70	F male twist-on connector for indoor installation, nitin-plated brass - 22,0 x 12,0 mm
F70	F male crimp connector for indoor installation, nitin-plated brass - 21,0 x 12,0 mm

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