

Description

Indoor drop coaxial cable for digital reception - 75 Ohm

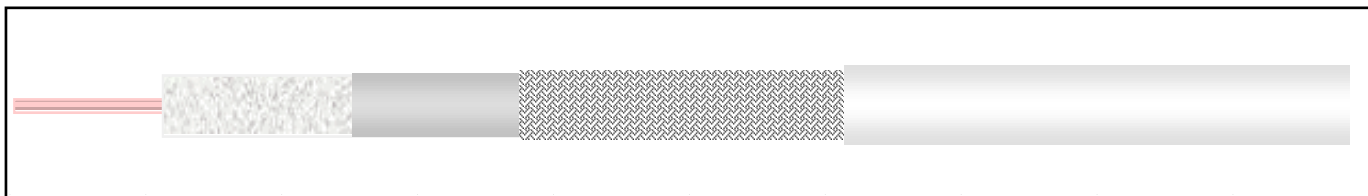
Cable for digital reception (Screening Class A)

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)
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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 %	
Outer sheath of Polyvinylchloride white 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 ss/aa m

(ss=week, aa=year) (m=meter marking)

Electrical data

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Inner conductor resistance	45,50	Ohm/km
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 (I _{eff})	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)

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>70 dB

Transfer impedance

5 - 30 MHz < 0,25 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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

Date

08/09/08

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C and dB/100m):

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

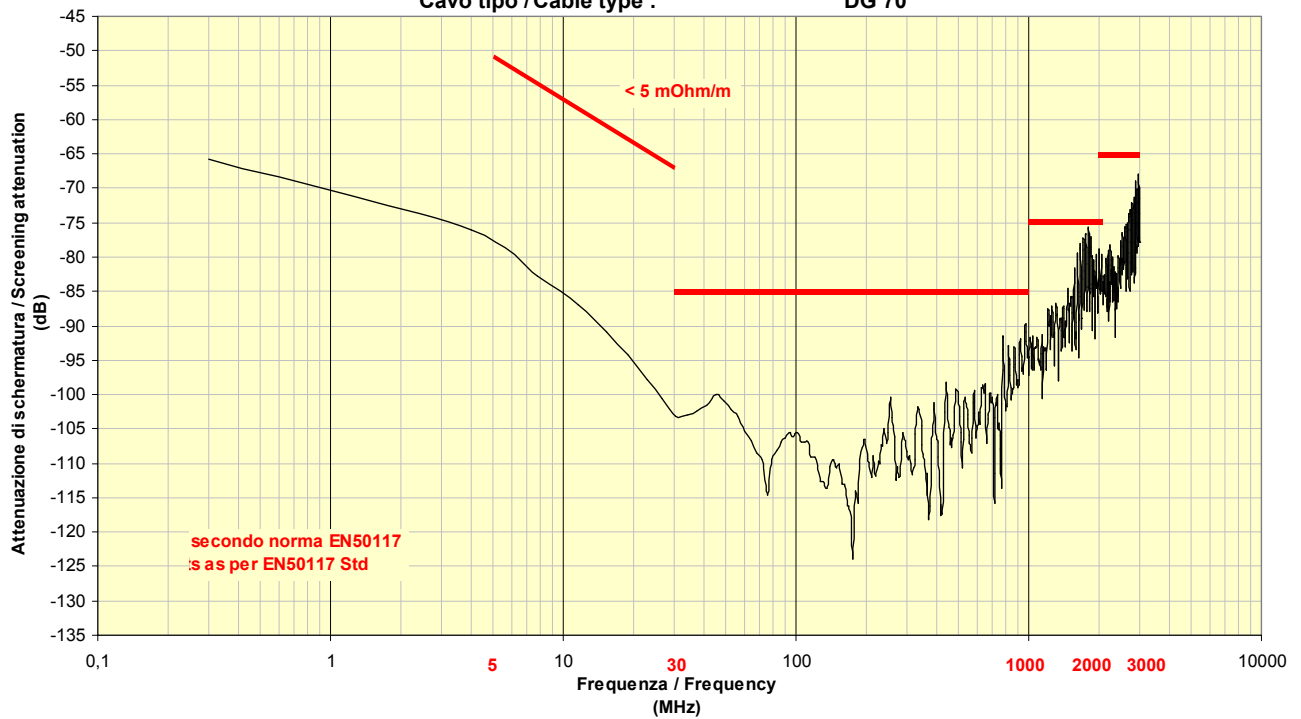
Weight of copper conductors	10,20	kg/km
Total weight of cable	20,90	kg/km
Minimum bending radius (single/repeated bending)	20/40	mm
Max. cable pulling strength	80	N

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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