

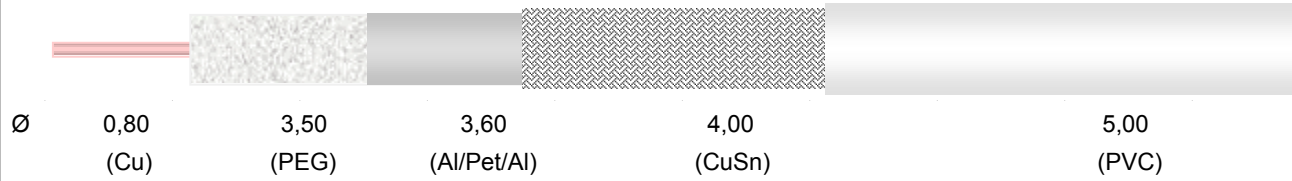
Description

Indoor drop coaxial cable for digital reception - 75 Ohm
 Cable for digital reception (Screening Class A)



Data Sheet

DG80



Standards

EN 50117-2-4

Construction data

Inner conductor of plain copper	(Cu)	Ø 0,80 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,50 ± 0,10	mm
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		65	%
Diameter under Sheath		4,00	mm
Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	Ø 5,00 ± 0,10	mm

Printed each meter by blue ink-jet :

CAVEL DG 80 MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) * LTE PROTECTION *
 ss/aa m

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

Physical data

Weight of copper conductors		11,13	kg/km
Total weight of cable		25,73	kg/km
Minimum bending radius (single/repeated bending)		25/50	mm
Maximum cable pulling strength		90	N
Fire Load	349 MJ/km	97	kWh/km

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		35	Ohm/km
Outer conductor resistance		18,60	Ohm/km
Loop resistance		53,60	Ohm/km
Sheat Insulation voltage (spark test)		2,50	kV
Maximum current (Ieff)		4	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		

ITALIANA CONDUTTORI s.r.l.

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

Date

29/02/2016

Responsible

Albero Scardovi

Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception (Screening Class A)

Coaxial Cables

CAVEL

since 1968

Data Sheet

DG80

Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class B
30 - 1000 MHz	>90 dB	5 - 30 MHz	< 9 mOhm/m
1000 - 2000 MHz	>75 dB		
2000 - 3000 MHz	>65 dB		

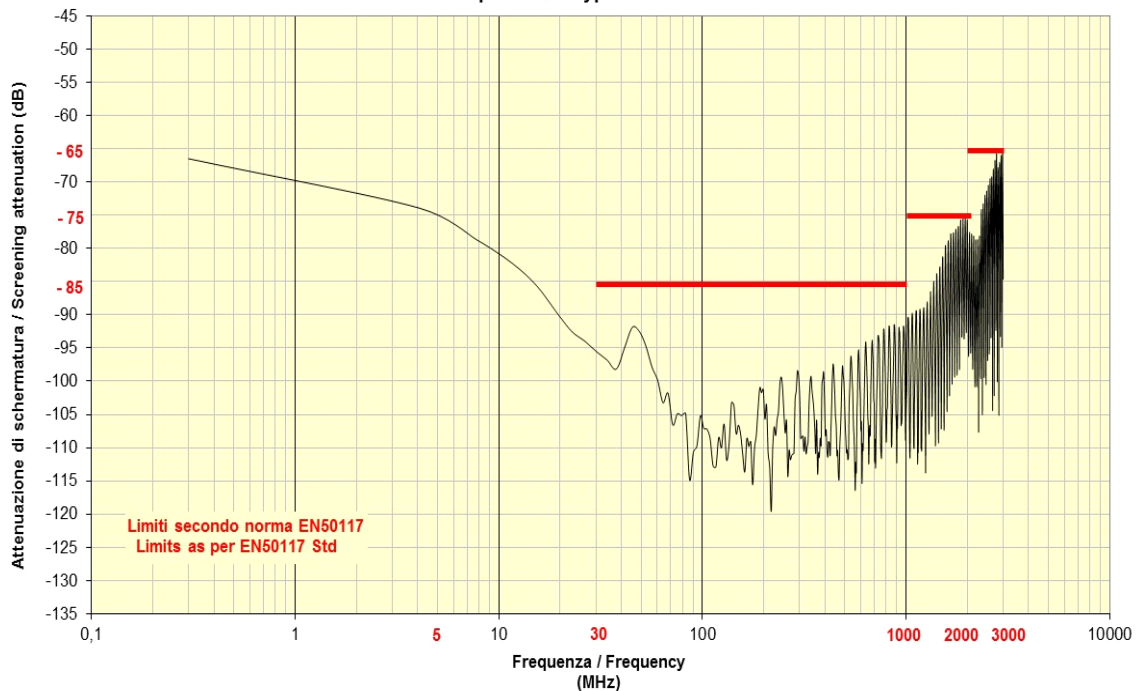
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	2,10	862	23,00
10	3,00	1000	24,90
30	4,40	1750	33,50
50	5,70	2150	37,40
200	11,00	2400	39,60
300	13,50	3000	44,80
470	16,80		

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : DG 80



Connectors

FA501	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
F501	Series F Crimp, Crimp F-59-ALM 3.9/6.4, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
IECF905C	Series IEC (no tool), Ø 3,9 90° female, for indoor installation
IECM905C	Series IEC (no tool), Ø 3,9 90° male, for indoor installation
FCPO3.9C	Series F Compression, Ø 3,9 Push-On, for outdoor installation, nitin-plated brass
FC501	Series F Compression, F Compression, for outdoor installation, nitin-plated brass - 30,0 mm x 12,0 mm

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Cable for digital reception (Screening Class A)



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DG80**↑↑↑ Connectors**

- FC5.0QMS** Series F Compression, Short Quick Mount, for outdoor installation
- BNCC501** Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
- BNCC3.9C** Series BNC Compression, BNC Compression, for outdoor installation

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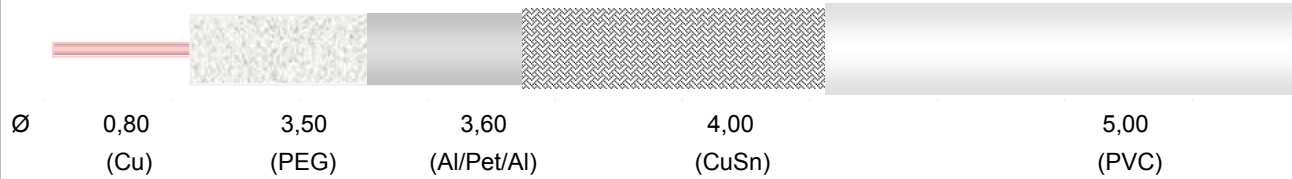
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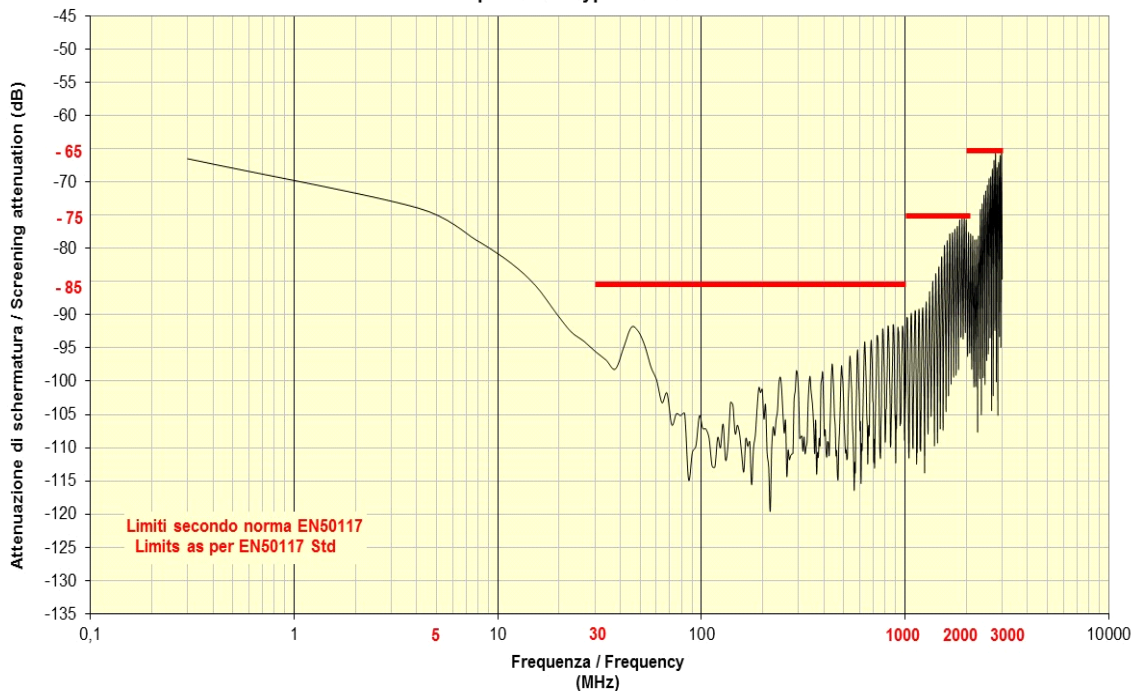
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