

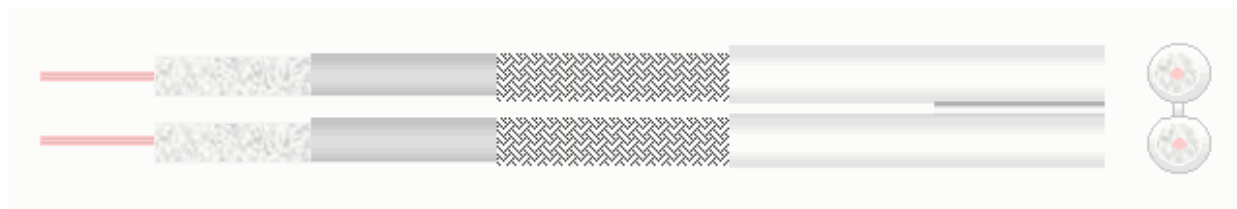
**Description**

"siamese" drop coaxial cable - 75 Ohm

Cable for digital reception

**Data Sheet**

**2XDG80**



**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**

EN 50117-2-4

**Reaction to Fire**

EN50575

**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	%
Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	Ø 11,00 x 5,00 ± 0,20	mm

Printed each meter by blue ink-jet :

**CAVEL 2 x DG 80 MADE IN ITALY 75 Ohm Euroclass Eca EN50117-2-4 CEI-UNEL 36762 C-4 (U0 = 400V)**  
**ULTRA HD / 4K gggaan m C C C C C**

(gggaan=batch number m=meter marking)

**Physical data**

Weight of copper conductors	22,25	kg/km
Total weight of cable	56,20	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

**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)			

**ITALIANA CONDUTTORI s.r.l.**

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

**Date**

**17/02/2017**

**Responsible**

**Alberto Scardovi**

## Description

"siamese" drop coaxial cable - 75 Ohm

Cable for digital reception

Coaxial Cables

**CAVEL®**

since 1968

Data Sheet

**2XDG80**

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Screening Attenuation (SA)

SA-Class A

Shield Transfer Impedance (Zt)

Zt-Class B

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>75 dB
2000 - 3000 MHz	>65 dB

5 - 30 MHz

&lt; 9 mΩ/m

## Attenuation (at 20°C )

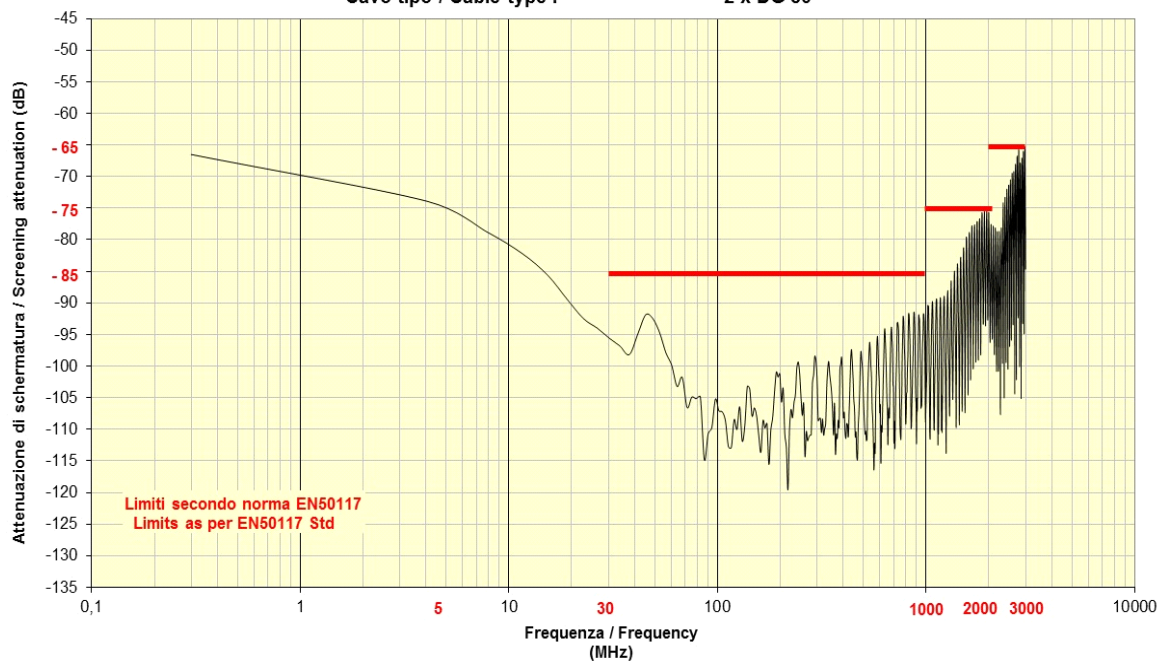
Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	2,10	862	23,00
10	3,00	1000	24,90
30	4,40	1750	33,50
50	5,70	2150	37,40
200	11,00	2400	39,60
300	13,50	3000	44,80
470	16,80		

## Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type :

2 x DG 80

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**Data Sheet****2XDG80****Connectors**

<b>BNCC3.9C</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation
<b>BNCC501</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>F501</b>	Series F Crimp, Crimp F-59-ALM 3.9/6.4, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>FA501</b>	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>FC501</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
<b>FCEM5.0C</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
<b>FCPO3.9C</b>	Series F Compression, Ø 3,9 Push-On, for OUTDOOR installation, nitin-plated brass
<b>IECF905C</b>	Series IEC (toolless), Ø 3,9 90° female, for INDOOR installation
<b>IECM905C</b>	Series IEC (toolless), Ø 3,9 90° male, for INDOOR installation

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