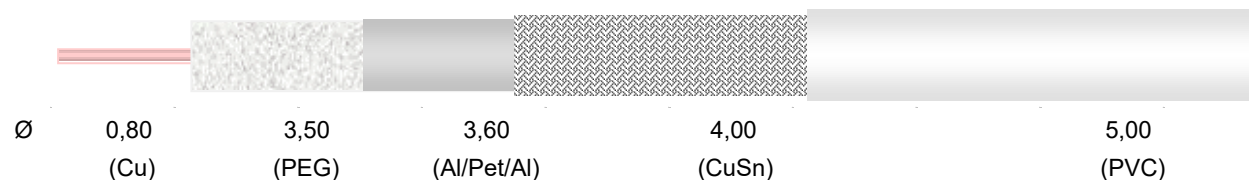


**Description**

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception

**Data Sheet****DG80****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 |
| 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)                           |             | 65            | %  |
| Diameter over Braid                                         |             | Ø 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 Euroclass Eca EN50117-2-4 CEI-UNEL 36762 C-4 (U0 = 400V)**  
**ULTRA HD / 4K gggaan m**

(gggaan=batch number 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/repetead 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      |

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

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 Tel +39-382.815150 Fax +39-0382.814212

**Date****23/03/2017****Responsible****PierPaolo Piccinini**

**Description**

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception

Coaxial Cables

**CAVEL®**

since 1968

**Data Sheet****DG80****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)****SA-Class A**

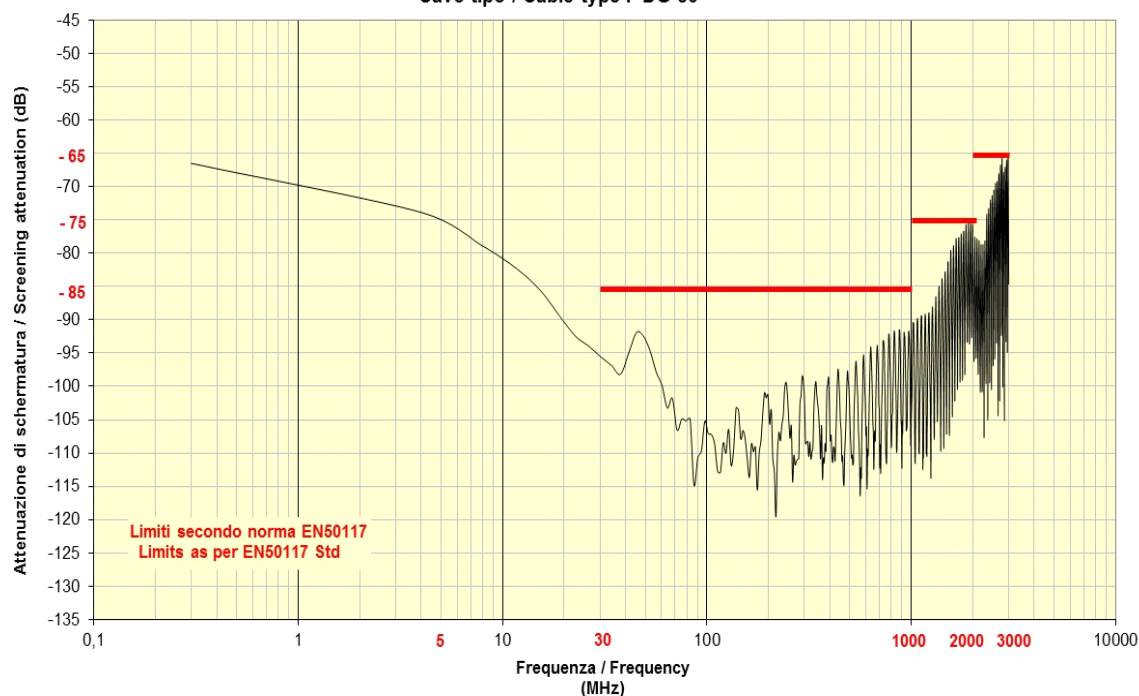
|                 |        |
|-----------------|--------|
| 30 - 1000 MHz   | >90 dB |
| 1000 - 2000 MHz | >75 dB |
| 2000 - 3000 MHz | >65 dB |

**Transfer Impedance (Zt)****Zt-Class B**

|            |            |
|------------|------------|
| 5 - 30 MHz | < 9 mOhm/m |
|------------|------------|

**Attenuation (at 20°C )**

| Frequency<br>[MHz] | Attenuation<br>[dB/100m] | Frequency<br>[MHz] | Attenuation<br>[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****ITALIANA CONDUTTORI s.r.l.**

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**Description**

Indoor drop coaxial cable for digital reception - 75 Ohm

Cable for digital reception

**Data Sheet****DG80****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>FC5.0QMS</b> | Series F Compression, Short Quick Mount, for OUTDOOR installation                                         |
| <b>FC501</b>    | Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm     |
| <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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