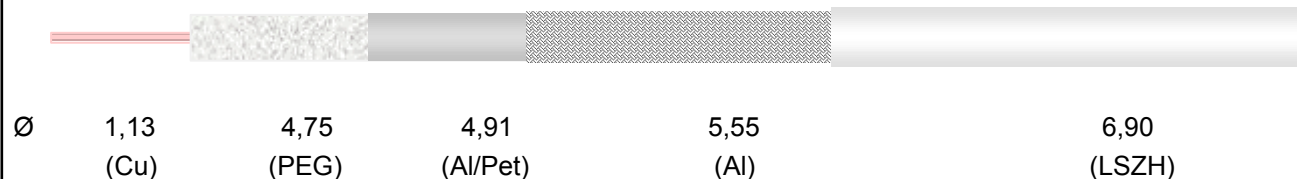


**Description**  
 Halogen free, low smoke emission coaxial cable - 75 Ohm  
 Indoor/Outdoor installation Cable (Screening Class A)



**Data Sheet**  
**DG136OHW**



**Class CPR acc. to UE 305/2011 (DoP)**

**D<sub>ca</sub> s2 d2 a1**

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

**Fire-Resistance Rating**

EN50575

**Construction data**

|  |            |                |       |
|--|------------|----------------|-------|
| Inner conductor of plain copper  | (Cu)       | Ø 1,13 ± 0,02  | mm    |
| Dielectric of physical foam polyethylene   | 65 % (PEG) | Ø 4,75 ± 0,10  | mm    |
| Aluminium/Polyester tape longitudinally overlapped   | (Al/Pet)   | 21 x 50/12     | mm/µm |
| Water repellent sealing (dielectric)   | (Jelly1)   |                |       |
| Braid of aluminium wires   | 0,160 (Al) | 16 x 5 x 0,160 | mm    |
| Lay length of braid  |            | 54             | mm    |
| Braid optical coverage (IEC 96-1)  |            | 65             | %     |
| Diameter over Braid  |            | Ø 5,55         | mm    |
| Outer sheath of Thermoplastic material - white - halogen-free, low smoke, flame retardant and UV-resistant | (LSZH)     | Ø 6,90 ± 0,10  | mm    |

Printed each meter by yellow ink-jet :

**CAVEL DG 136 OHW MADE IN ITALY 75 Ohm Euroclass Dca s2,d2,a1 EN50117-2-4 CEI-UNEL 36762 C-4 (U0=400V) gggaan m**

(gggaan=batch number m=meter marking)

**Physical data**

|  |           |           |        |
|--|-----------|-----------|--------|
| Weight of copper conductors                      |           | 8,85      | kg/km  |
| Total weight of cable                            |           | 42,20     | kg/km  |
| Minimum bending radius (single/repeated bending) |           | 35/70     | mm     |
| Maximum tensile strength during the installation |           | 150       | N      |
| Minimum installation temperature                 |           | -5        | °C     |
| Operating temperature                            |           | -25 / +80 | °C     |
| Fire Load  | 617 MJ/km | 171       | kWh/km |

**Electrical data**

|                            |         |        |        |
|----------------------------|---------|--------|--------|
| Characteristic impedance   | 200 MHz | 75 ± 3 | Ohm    |
| Capacitance (@1kHz)        |         | 52 ± 2 | pF/m   |
| Velocity Ratio             |         | 85 %   |        |
| Inner conductor resistance |         | 18     | Ohm/km |

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

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 Tel +39-382.815150 Fax +39-0382.814212

Date

02/05/2018

Responsible

Alberto Scardovi

**Description**

Halogen free, low smoke emission coaxial cable - 75 Ohm  
 Indoor/Outdoor installation Cable (Screening Class A)



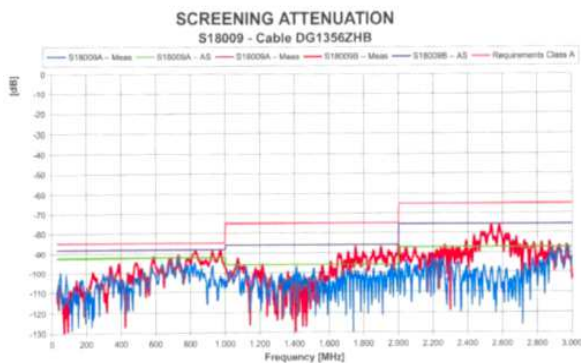
**Data Sheet**

**DG1360HW**

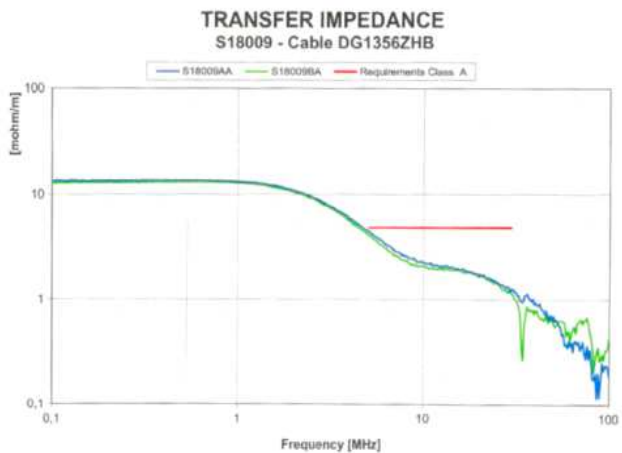
|                                       |            |                                |
|---------------------------------------|------------|--------------------------------|
| Outer conductor resistance            | 13         | Ohm/km                         |
| Loop resistance                       | 31         | Ohm/km                         |
| Sheat Insulation voltage (spark test) | 3          | kV                             |
| Maximum current (Ieff)                | 8          | 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)            | SA-Class A | Shield Transfer Impedance (Zt) |
| 30 - 1000 MHz                         | > 88 dB    | 5 - 30 MHz                     |
| 1000 - 2000 MHz                       | > 86 dB    |                                |
| 2000 - 3000 MHz                       | > 75 dB    | Zt-Class A                     |
|                                       |            | < 5 mOhm/m                     |

**Attenuation (at 20°C )**

| Frequency [MHz] | Attenuation [dB/100m] | Frequency [MHz] | Attenuation [dB/100m] |
|-----------------|-----------------------|-----------------|-----------------------|
| 5               | 1,60                  | 862             | 17,50                 |
| 10              | 2,30                  | 1000            | 18,90                 |
| 30              | 3,20                  | 1750            | 25,40                 |
| 50              | 4,10                  | 2150            | 28,40                 |
| 200             | 8,00                  | 2400            | 30,20                 |
| 300             | 10,00                 | 3000            | 34,30                 |
| 470             | 12,70                 |                 |                       |



Visto/Noted  
 Ispezionato/Witnessed  
 Approvato/Reviewed  
  
 Data 20/04/18  
 Firma dell'ispezionatore (IMQ)  
*[Signature]*



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 Ispezionato/Witnessed  
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**Date**

02/05/2018

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