

Description

Halogen free, low smoke emission coaxial cable - 75 Ohm

Indoor/Outdoor installation Cable

**Data Sheet****DG1350HW**

Ø	1,13	4,80	4,90	5,38	6,70
	(Cu)	(PEG)	(Al/Pet/Al)	(Al)	(LSZH)

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

Dca 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

Reaction to Fire

EN50575

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of aluminium wires	(Al)		
Braid optical coverage (IEC 96-1)		52	%
Diameter over Braid		Ø 5,38	mm
Outer sheath of Thermoplastic material - white - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 6,70 ± 0,10	mm
Printed each meter by blue ink-jet :			

CAVEL DG 135 OHW MADE IN ITALY 75 Ohm Euroclass Dca s2,d2,a1 EN50117-2-5 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	38,40	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

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		34	Ohm/km
Loop resistance		52	Ohm/km
Sheat Insulation voltage (spark test)		3	kV

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Date**09/10/2017****Responsible****Alberto Scardovi**

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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)

Zt-Class C

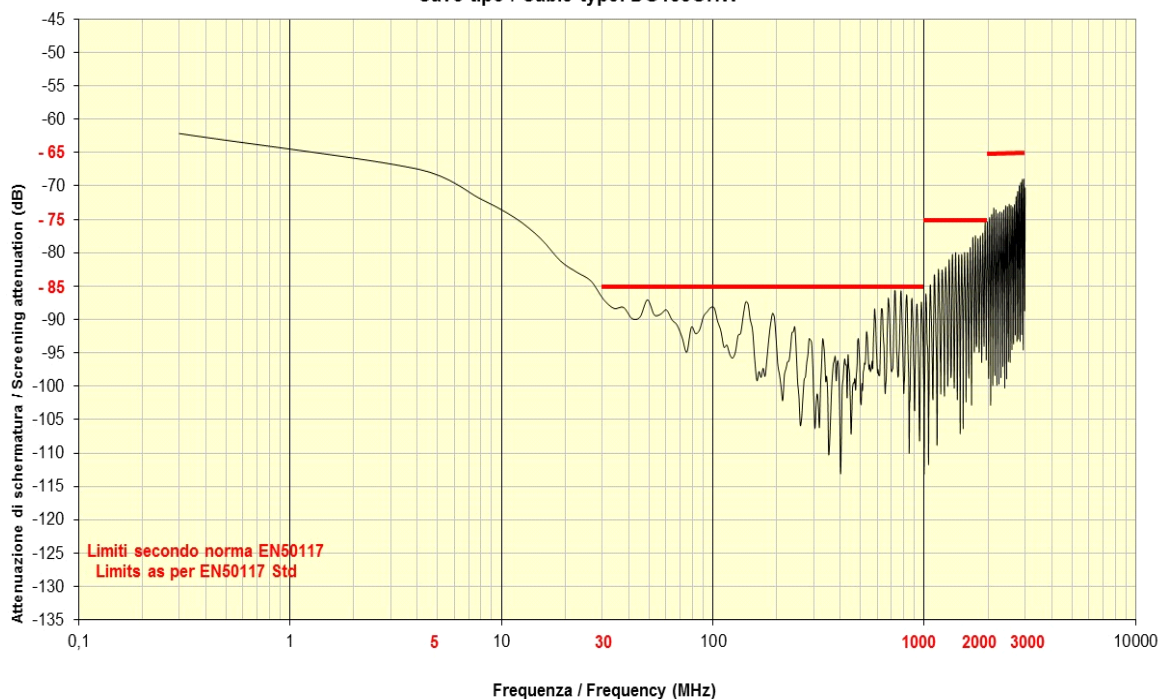
30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>75 dB
2000 - 3000 MHz	>70 dB

5 - 30 MHz

< 38 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		

Attenuazione di schermatura / Screening Attenuation
Cavo classe A / A Class Cable
Cavo tipo / Cable type: DG1350HW

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**Data Sheet****DG1350HW****Connectors**

BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F703	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
F90	Series F Crimp, F Crimp, for INDOOR installation
FA703	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation
FC703	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FCEM7.0C	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
FR703	Series F Crimp, F crimp, "Rapid", for INDOOR installation
IECF5.1C	Series IEC (toolless), female, no tool, for INDOOR installation
IECF90C	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
IECF703	Serie IEC Compression, female, no tool, for OUTDOOR installation
IECM5.1C	Series IEC (toolless), male, no tool, for INDOOR installation
IECM90C	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
IECM703	Serie IEC Compression, male, for OUTDOOR installation
FC703C	Series F Compression, F Compression, for OUTDOOR installation

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