

**Halogen free, low smoke emission and UV resistant
coaxial cable - 75 Ohm
Outdoor installation cable (Screening Class A+)**



CAVEL Code:

DG163ZH

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Constructive Data

Inner conductor of plain copper	(Cu)	Ø 1,63 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)	
Braid of tinned copper wires	(CuSn)	Ø
Braid optical coverage (IEC 96-1)		78 %
Tracer Identifier	Year + Flag	
Outer sheath of Thermoplastic material grey (RAL 7001) halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	Ø 0 10,10 ± 0,15 mm
printed each meter by black ink-jet :	(ss=week, aa=year) (m=meter marking)	

CCS TV 75 Ohm CAVEL DG 163 ZH MADE IN ITALY EN50117-2-3 ss/aa m

Mechanical Parameters

Weight of copper conductors	40,50	kg/km
Total weight of cable	102,00	kg/km
Minimum bending radius (single/repetead bending)	100	mm
Max. cable pulling strenght	300	N

Electrical Parameters

Characteristic impedance (@ 200 MHz)	75,00 ± 2,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	8,5	Ohm/km
Outer conductor resistance	7,5	Ohm/km
loop Resistance	16,0	Ohm/km
Maximum current (Ieff)	16,0	A
Insulation voltage of the sheath (spark test)	5,0	kV
Comply to the Standard:	EN 50117-2-3	

-Attenuation-

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	1,10	1,50	2,20	2,80	5,60	6,90	8,80	12,30	13,20	17,90	20,10	21,00	24,50

Structural return loss (SRL)

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>23 dB
2000 - 3000 MHz	>20 dB

Transfer impedance

5 - 30 MHz < 0,25 mOhm/m

Screening attenuation (SA)

30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>90 dB
2000 - 3000 MHz	>80 dB



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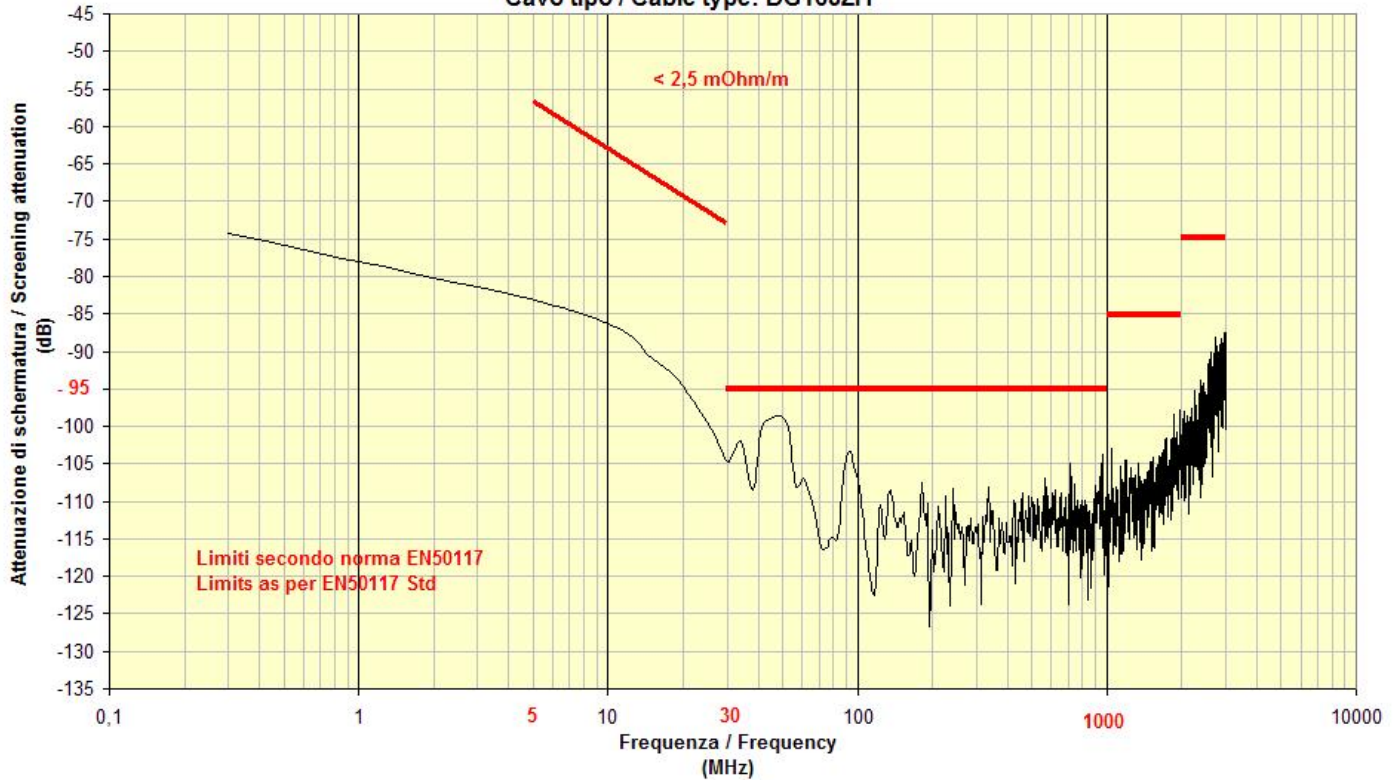
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Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type: DG163ZH



Standard Packaging

Mod 4 Plywood drum

500 m in reel

Connectors

3,5/12M-32	3,5/12" connector for outdoor and underground installation
5/8MU-32	5/8" connector for outdoor and underground installation
F163	F male crimp connector for indoor installation
FA17/73	F male twist-on connector for indoor installation
FC11	F male compression connector for outdoor installation
FM-32	F male connector for outdoor and underground installation
IEC14M-32	IEC male connector for outdoor and underground installation
NM-32	N male connector for outdoor and underground installation