

Outdoor drop coaxial cable - 75 Ohm
Security sheath of LSZH material (Screening Class A)



CAVEL Code:

DG80ZH

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Constructive Data

Inner conductor of plain copper	(Cu)	Ø 0,80 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,50 mm
Water repellent sealing (dielectric)	(Jelly1)	
Aluminium/Polyester/Aluminium tape longitudinally overlapped	(Al/Pet/Al)	
Braid of tinned copper wires	(CuSn)	Ø
Braid optical coverage (IEC 96-1)		65 %
Outer sheath of Thermoplastic material grey (RAL 7001) halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	Ø 0 5,00 ± 0,10 mm
printed each meter by black ink-jet :	(ss=week, aa=year) (m=meter marking)	

CAVEL DG 80 ZH MADE IN ITALY 75 Ohm EN50117-2-5 ss/aa - m

Mechanical Parameters

Weight of copper conductors	11,40	kg/km
Total weight of cable	26,70	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Max. cable pulling strength	90	N

Electrical Parameters

Characteristic impedance (@ 200 MHz)	75,00 ± 3,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	35,0	Ohm/Km
Outer conductor resistance	18,6	Ohm/Km
loop Resistance	53,6	Ohm/Km
Maximum current (Ieff)	4,0	A
Insulation voltage of the sheath (spark test)	2,5	KV
Comply to the Standard:	EN50117-2-5	

-Attenuation-

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	2,10	3,00	4,40	5,70	11,00	13,50	17,20	23,60	25,50	34,30	38,00	40,20	44,00

Structural return loss (SRL)

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

Transfer impedance

5 - 30 MHz < 0,35 mOhm/m

Screening attenuation (SA)

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>80 dB
2000 - 3000 MHz	>70 dB

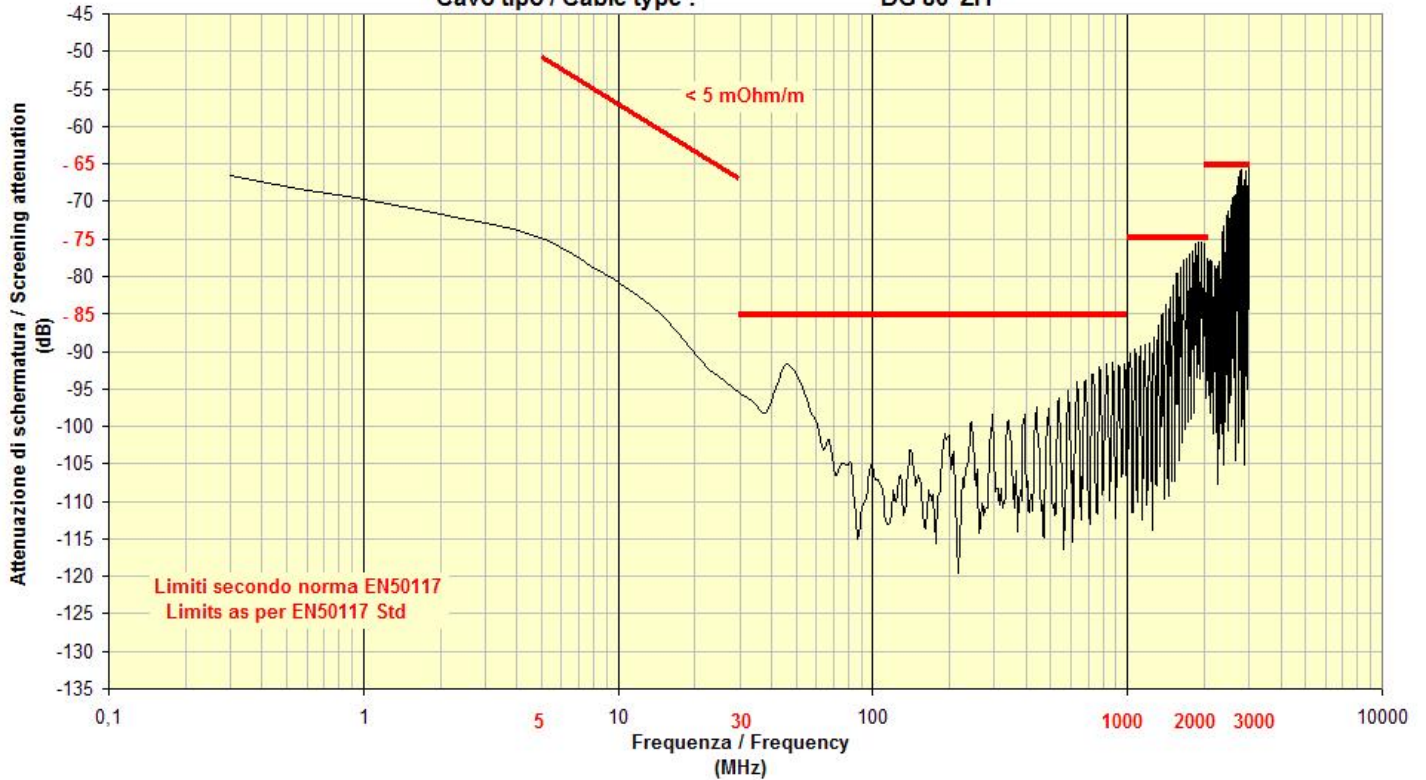


Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type :

DG 80 ZH



Standard Packaging

Mod 8B Shrink Pack

150 m in thermoretractable material

6 coils per package = 900 m

Connectors

BNCC501SL	BNC male compression connector for outdoor installation
F501	F male crimp connector for indoor installation
FA501	F male twist-on connector for indoor installation
FC501SL	F male compression connector for outdoor installation