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

Coaxial Cables CAVEL® since 1968

CAVEL Code:

DG80ZH

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/repetead bending)	25/50	mm
Max. cable pulling strenght	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