

Description

Halogen free, low smoke emission and UV resistant coaxial cable -
75 Ohm
Security sheath of LSZH material (Screening Class A)



Data Sheet

CATV11ZH

Ø	1,63	7,20	7,37	7,85	10,10
	(Cu)	(PEG)	(Al/Pet/Al/Sur)	(CuSn)	(LSZH)

Standards

EN 50117-2-3

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,63 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 ± 0,10	mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		63	%
Diameter under Sheath		Ø 7,85	mm
Outer sheath of Thermoplastic material - grey (RAL 7001) - halogen-free, low smoke, flame retardant and UV-resistant	(LSZH)	Ø 10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

CAVEL CATV 11 ZH MADE IN ITALY 75 Ohm EN50117-2-3 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa m

(ss=week, aa=year) (m=meter marking)

Physical data

Weight of copper conductors	34,57	kg/km
Total weight of cable	100,55	kg/km
Minimum bending radius (single/repeated bending)	100	mm

Electrical data

Characteristic impedance	200 MHz	75 ± 2	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		8,50	Ohm/km
Outer conductor resistance		10	Ohm/km
Loop resistance		18,50	Ohm/km
Sheat Insulation voltage (spark test)		5	kV
Maximum current (I _{eff})		16	A

Structural return loss (SRL)

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

Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Z _t)	Z _t -Class B
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 8 mΩ/m
1000 - 2000 MHz	>95 dB		

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Tel +39-382.815150 Fax +39-0382.814212

Date

17/02/2016

Responsible

PierPaolo Piccinini

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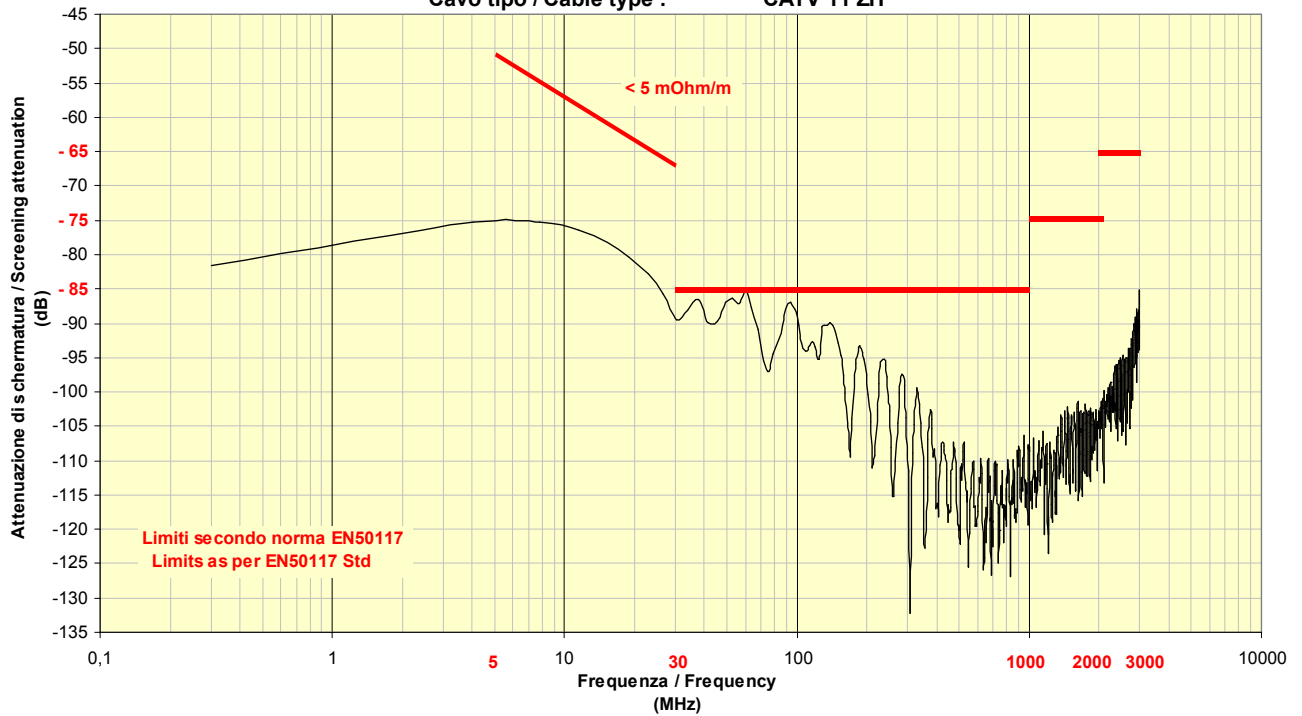
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	11,90
10	1,50	1000	12,80
30	2,20	1750	17,90
50	2,80	2150	19,80
200	5,60	2400	21,00
300	6,90	3000	24,00
470	8,80		

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : **CATV 11 ZH**



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