

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



**CAVEL Code:**

**22/99ZH**

Pag. 1/2

### Constructive Data

Inner conductor of plain copper	(Cu)	Ø 2,20 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 9,90 mm
Water repellent sealing (dielectric)	(Jelly1)	
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	
Braid of annealed copper wires	(Cu)	Ø
Braid optical coverage (IEC 96-1)		55 %
Tracer Identifier	Year + Flag	
Outer sheath of Thermoplastic material grey (RAL 7001) halogen-free, flame retardant and UV-resistant (Q8)	(LSZH)	Ø 0 12,70 ± 0,15 mm
printed each meter by yellow ink-jet :	(ss=week, aa=year) (m=meter marking)	

**CCS TV 75 Ohm CAVEL 2.2/9.9 ZH MADE IN ITALY EN50117-2-3 ss/aa m**

### Mechanical Parameters

Weight of copper conductors	60,30	kg/km
Total weight of cable	148,30	kg/km
Minimum bending radius (single/repeated bending)	150	mm
Max. cable pulling strength	600	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	5,0	Ohm/km
Outer conductor resistance	8,5	Ohm/km
loop Resistance	13,5	Ohm/km
Maximum current (I <sub>eff</sub> )	21,0	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	0,80	1,10	1,50	2,00	4,00	4,90	6,40	9,10	9,80	13,30	14,90	15,70	18,30

#### 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 0,4 mOhm/m

#### Screening attenuation (SA)

30 - 1000 MHz	>90 dB
1000 - 2000 MHz	>100 dB
2000 - 3000 MHz	>85 dB



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



CAVEL Code:

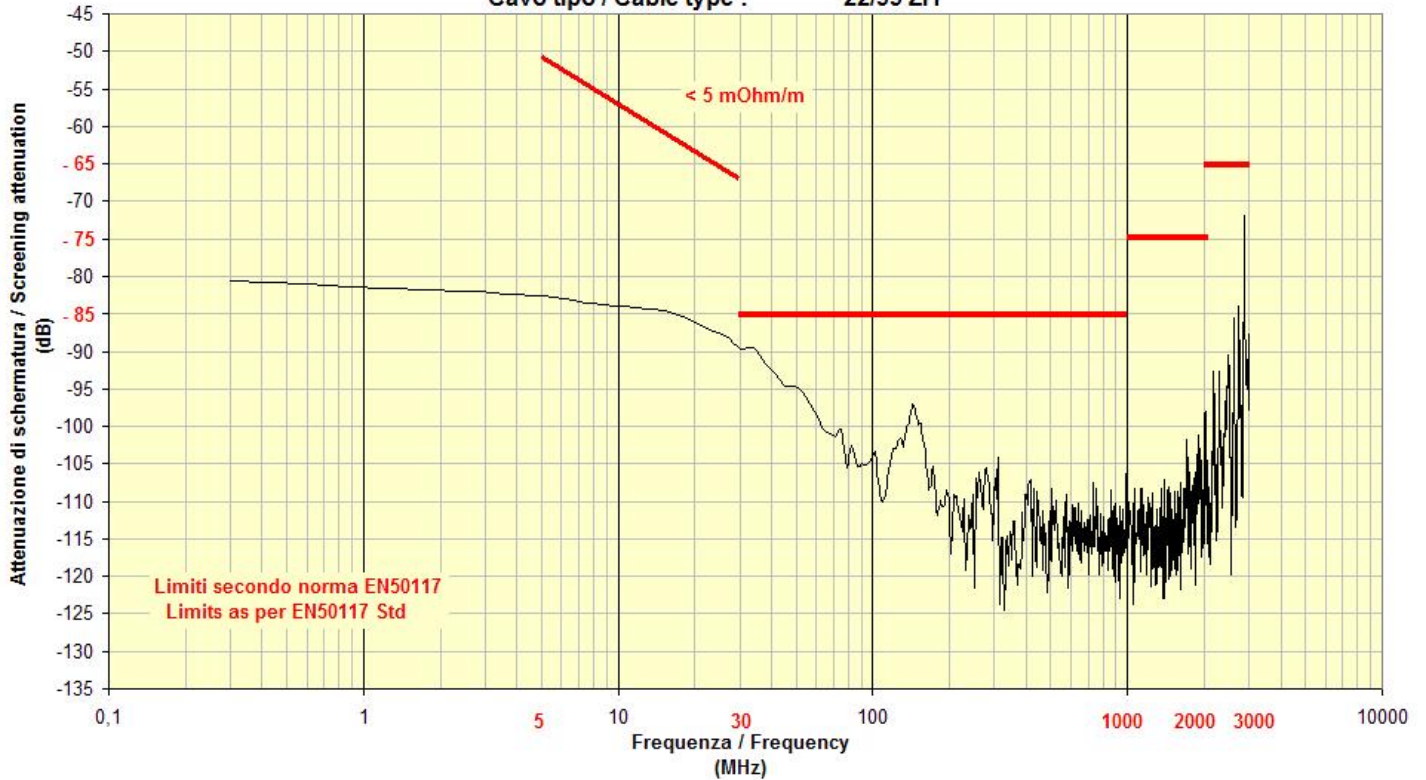
22/99ZH

Pag. 2/2

### Attenuazione di schermatura / Screening Attenuation

**Cavo classe A / A Class Cable**

Cavo tipo / Cable type : 22/99 ZH



### Standard Packaging

Mod 4 Plywood drum

500 m in reel

### Connectors

3,5/12M-13	3,5/12" connector for outdoor and underground installation
5/8MU-13	5/8" connector for outdoor and underground installation
FM-13	F male connector for outdoor and underground installation
IEC14M-13	IEC male connector for outdoor and underground installation
NM-13	N male connector for outdoor and underground installation