

Outdoor drop coaxial cable - 75 Ohm
Outdoor installation cable (Screening Class A)



CAVEL Code:

11/48L

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Constructive Data

Inner conductor of plain copper	(Cu)	Ø 1,13 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 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)		60 %
Tracer Identifier	Year + Flag	
Water repellent sealing (sheath)	(Jelly2)	
Outer sheath of Polyethylene black with carbonblack (Q4)	(PE)	Ø 0 7,30 ± 0,10 mm
printed each meter by yellow ink-jet :	(ss=week, aa=year) (m=meter marking)	

CAVEL 1.1/4.8 L MADE IN ITALY 75 Ohm EN50117-2-5 ss/aa - m

Mechanical Parameters

Weight of copper conductors	22,90	kg/km
Total weight of cable	46,00	kg/km
Minimum bending radius (single/repeated bending)	50	mm
Max. cable pulling strength	200	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	18,0	Ohm/Km
Outer conductor resistance	13,5	Ohm/Km
loop Resistance	31,5	Ohm/Km
Maximum current (Ieff)	8,0	A
Insulation voltage of the sheath (spark test)	8,0	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	1,50	2,10	2,90	3,80	7,90	9,70	12,30	16,80	18,20	24,80	27,90	29,50	33,50

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 < 0,5 mOhm/m

Screening attenuation (SA)

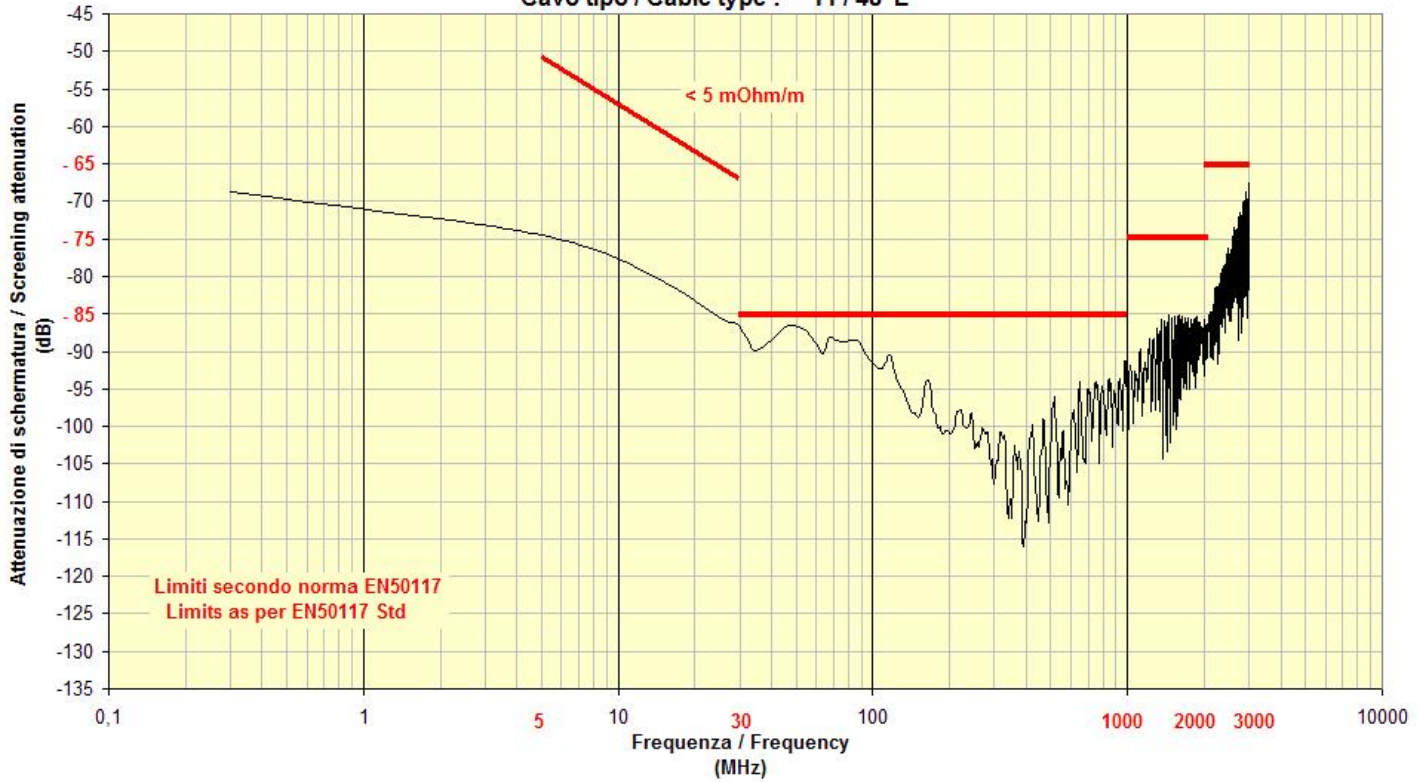
30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>70 dB



Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : 11 / 48 L



Connectors

F125A

F male crimp connector for indoor installation

FA125

F male twist-on connector for indoor installation