

Description

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

**Data Sheet****11/48L**

Ø	1,13	4,80	4,90	5,38		7,30
	(Cu)	(PEG)	(Cu/Pet)	(Cu)	(Jelly2)	(PE)

Standards

EN 50117-2-5

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		60	%
Tracer Identifier	Year + Flag		
Water repellent sealing (sheath)	(Jelly2)		
Diameter under Sheath		5,38	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 7,30 ± 0,10	mm
Printed each meter by yellow ink-jet :			

CAVEL 1.1/4.8 L MADE IN ITALY 75 Ohm EN50117-2-5 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa - m

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

Physical data

Weight of copper conductors	22,36	kg/km
Total weight of cable	49,46	kg/km
Minimum bending radius (single/repetead bending)	50	mm
Maximum cable pulling strength	200	N

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		13,50	Ohm/km
Loop resistance		31,50	Ohm/km
Sheat Insulation voltage (spark test)		8	kV
Maximum current (Ieff)		8	A
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>26 dB		
2000 - 3000 MHz	>22 dB		

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
 Tel +39-382.815150 Fax +39-0382.814212

Date**08/09/2008****Responsible****PierPaolo Piccinini**

Description

Outdoor drop coaxial cable - 75 Ohm

Outdoor installation cable (Screening Class A)



Data Sheet

11/48L

Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 5 mΩ/m
1000 - 2000 MHz	>85 dB		
2000 - 3000 MHz	>70 dB		

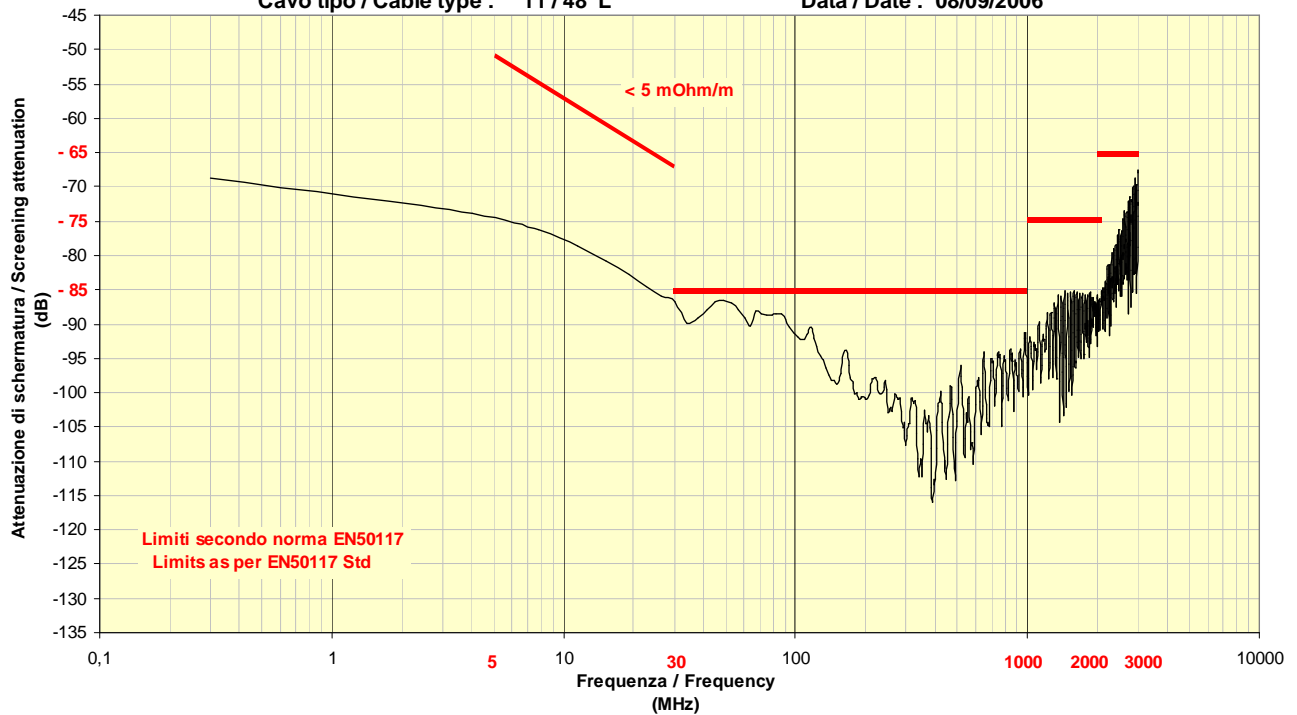
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	862	16,80
10	2,10	1000	17,90
30	2,90	1750	24,80
50	3,80	2150	27,30
200	7,90	2400	29,10
300	9,70	3000	33,00
470	12,00		

Attenuazione di schermatura / Screening Attenuation
Cavo classe A / A Class Cable

Cavo tipo / Cable type : 11 / 48 L

Data / Date : 08/09/2006

**ITALIANA CONDUTTORI s.r.l.**Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

08/09/2008

Responsible

PierPaolo Piccinini