

**Description**

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

**Data Sheet****11/48LO**

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

EN 50117-2-5

**Construction data**

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	65 % (PEG)	Ø 4,80 ± 0,10	mm
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)	18 x 20/23	mm/µm
Water repellent sealing (dielectric)	(Jelly1)		
Braid of annealed copper wires	(Cu)	16 x 7 x 0,10	mm
Lay length of braid		54	mm
Braid optical coverage (IEC 96-1)		59	%
Tracer Identifier	Year + Flag		
Diameter under Sheath		5,30	mm
Inner 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 LO 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	20,50	kg/km
Total weight of cable	46,00	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	14,80	Ohm/km
Loop resistance	32,80	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.**

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**Date****13/10/2016****Responsible****Giuseppe Guastella**

**Description**

Outdoor drop coaxial cable - 75 Ohm

Outdoor installation cable (Screening Class A)



Data Sheet

**11/48LO**

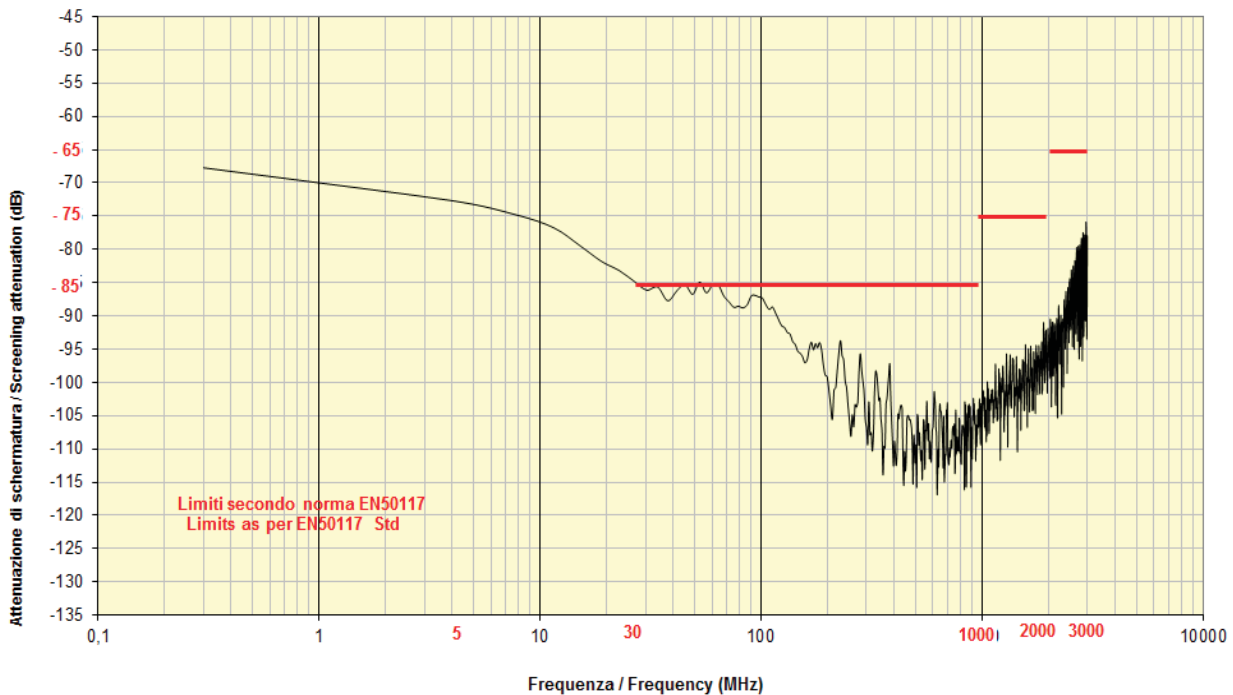
Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class B
30 - 1000 MHz	> 85 dB	5 - 30 MHz	< 11 mΩ/m
1000 - 2000 MHz	> 90 dB		
2000 - 3000 MHz	> 75 dB		

## 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: 11/48LO (new version)

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