

## Description

Coaxial Cable for underground installation with side pipe - 75 Ohm

Underground installation cable (Screening Class A)

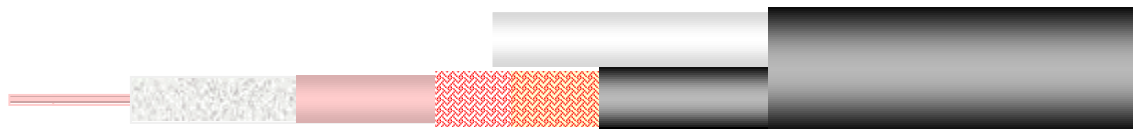
Coaxial Cables

CAVEL®

since 1968

## Data Sheet

11/48LOPIPE



Ø	7,30 (PE)	15,30 x 8,10 (PE)
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## Class CPR acc. to UE 305/2011 (DoP)

Fca

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

## Standards

EN 50117-2-5

## Fire-Resistance Rating

EN50575

## Construction data

Inner sheath of Polyethylene black with carbonblack	(PE)	7,30 ± 0,10	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 15,30 x 8,10 ± 0,10	mm
Printed each meter by yellow ink-jet :			

**CAVEL 1.1/4.8 LO + PIPE MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V) gggaan m**

(ggg=day)(aa=year)(n=batch) (m=meter marking)

## Physical data

Weight of copper conductors	20,50	kg/km
Total weight of cable	73,00	kg/km
Minimum bending radius (single/repeated bending)	50	mm
Maximum cable pulling strength	200	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C
Maximum Blowing Pressure		bar

## ITALIANA CONDUTTORI s.r.l.

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

## Date

11/05/2017

## Responsible

Alberto Scardovi

## Description

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

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

11/48LO

11/48LOPIPE



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

## Class CPR acc. to UE 305/2011 (DoP)

Fca

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

## Standards

EN 50117-2-5

## Fire-Resistance Rating

EN50575

## 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)		59	%
Tracer Identifier	Year + Flag		
Diameter over Braid		Ø 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 Euroclass Fca EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V)**  
gggaaan m

(ggg=day)(aa=year)(n=batch) (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/repeated bending)	50	mm
Maximum cable pulling strength	200	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

## 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

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## Date

11/05/2017

## Responsible

Giuseppe Guastella

**Description**

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



**Data Sheet**

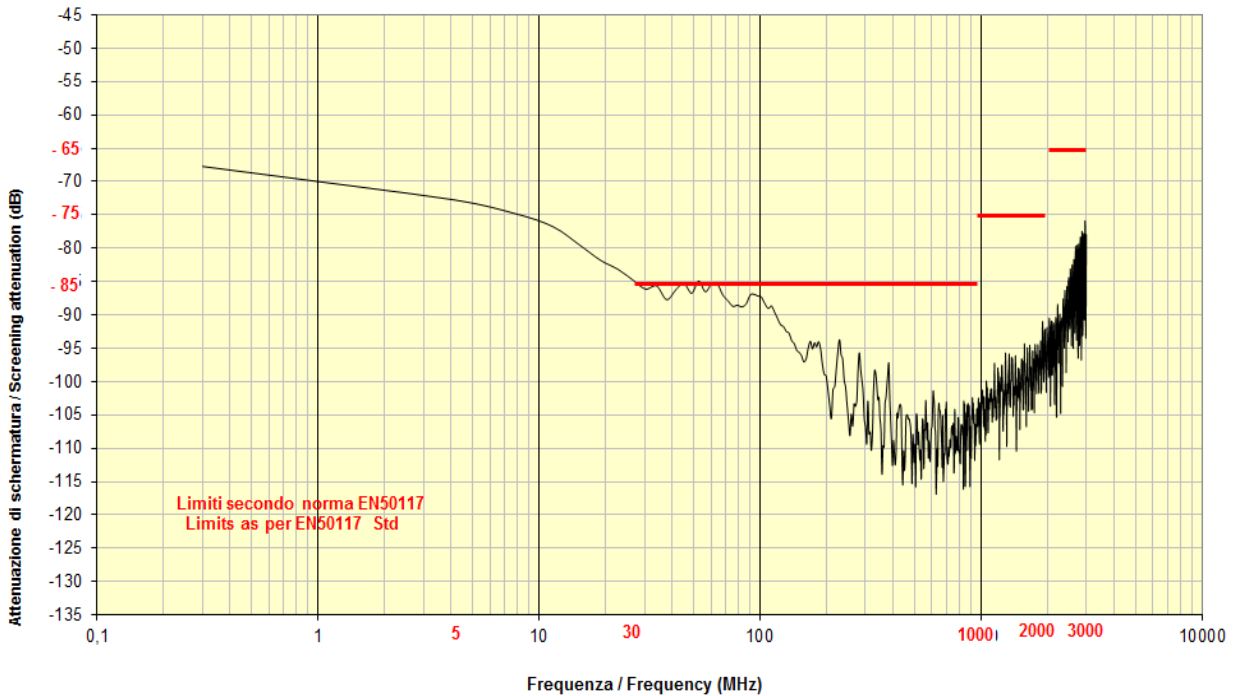
**11/48LO**  
 11/48LOPIPE

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		
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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Date  
**11/05/2017**

Responsible  
**Giuseppe Guastella**

## Description

PE/PP Side Pipe

Coaxial Cables

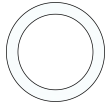
**CAVEL**<sup>®</sup>

since 1968

## Data Sheet

**PIPE**

11/48LOPIPE



∅

5,5 / 7,2 mm

PE+PP

**Standards**

EN50575

**Fire-Resistance Rating**

EN50575

**Construction data**

Side Pipe in Polyethylene+Polypropylene blend

(PE+PP)

Inner ∅ 5,50 ± 0,20 mm

Outer ∅ 7,20 ± 0,20 mm

**Physical data**

Weight

15,00 kg/km

Maximum Blowing Pressure

20 bar

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Date

01/12/2017

Responsible

Giuseppe Guastella