

## Description

Distribution and trunk coaxial cable for burial installation - 75 Ohm

Underground installation cable

Coaxial Cables

CAVEL®

since 1968

## Data Sheet

CATV11



Ø	1,63	7,20	7,37	7,85		10,10
	(Cu)	(PEG)	(Al/Pet/Al/Sur)	(CuSn)	(Jelly2)	(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 50117-2-3

## Reaction to Fire

EN50575

## Construction data

Inner conductor of plain copper	(Cu)	Ø 1,63 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 ± 0,10	mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		63	%
Tracer Identifier	Year + Flag		
Water repellent sealing (sheath)	(Jelly2)		
Diameter over Braid		Ø 7,85	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

**CAVEL CATV 11 MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-3 CEI-UNEL 36762 C-4 (U0 = 400V)**  
gggaan m

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

## Physical data

Weight of copper conductors	34,57	kg/km
Total weight of cable	85,65	kg/km
Minimum bending radius (single/repeated bending)	100	mm
Maximum cable pulling strength	300	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

## Electrical data

Characteristic impedance	200 MHz	75 ± 2	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		8,50	Ohm/km
Outer conductor resistance		10	Ohm/km
Loop resistance		18,50	Ohm/km

## ITALIANA CONDUTTORI s.r.l.

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

## Date

12/05/2017

## Responsible

PierPaolo Piccinini

**Description**

Distribution and trunk coaxial cable for burial installation - 75 Ohm

Underground installation cable



Data Sheet

**CATV11**

Sheat Insulation voltage (spark test)		8	kV
Maximum current (Ieff)		16	A
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>23 dB		
2000 - 3000 MHz	>20 dB		
Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class B
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 8 mΩ/m
1000 - 2000 MHz	>95 dB		
2000 - 3000 MHz	>95 dB		

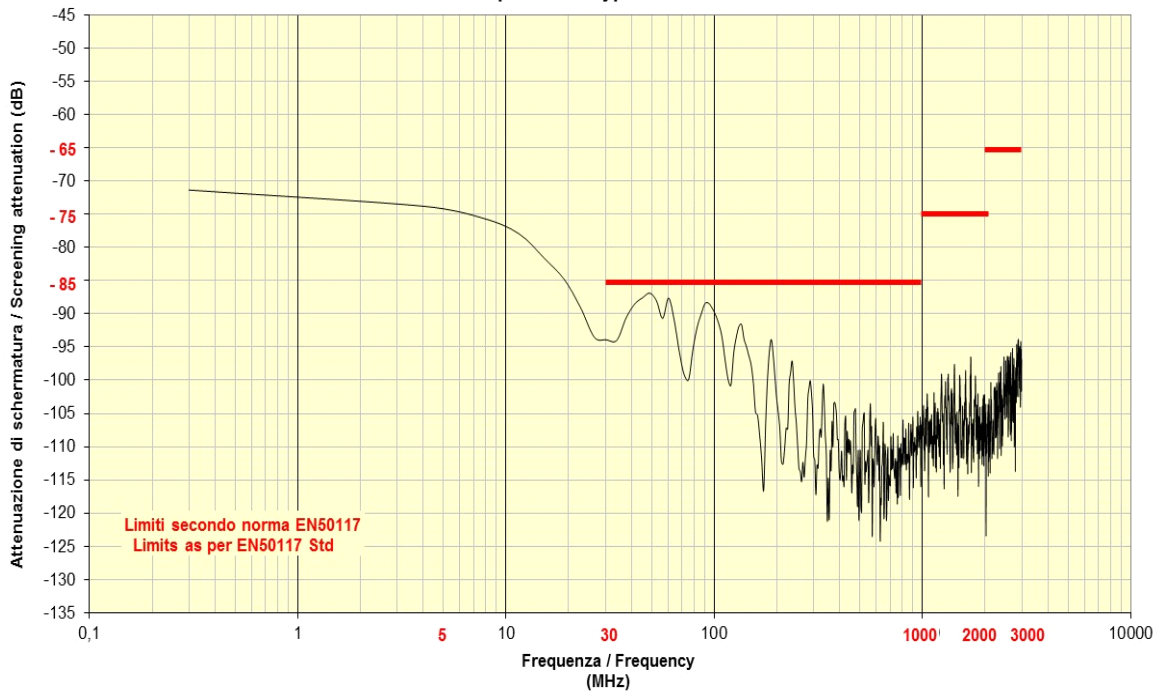
Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	11,90
10	1,50	1000	12,80
30	2,20	1750	17,90
50	2,80	2150	19,80
200	5,60	2400	21,00
300	6,90	3000	24,00
470	8,80		

**Attenuazione di schermatura / Screening Attenuation**

**Cavo classe A / A Class Cable**

Cavo tipo / Cable type: CATV11



**ITALIANA CONDUTTORI s.r.l.**

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

Date

12/05/2017

Responsible

PierPaolo Piccinini

**Description**

Distribution and trunk coaxial cable for burial installation - 75 Ohm

Underground installation cable

**Data Sheet****CATV11****Connectors**

- 5/8MU-TL232**     5/8" connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 69,0 mm x 20,5 mm
- F163**             Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
- FA17/73**          Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 33,0 mm x 14,5 mm
- FC11QM**          Series F Compression, Quick Mount, for OUTDOOR installation
- FM-TL232**        Series F, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 76,0 mm x 31,0 mm
- IEC14M-32**       Series IEC (toolless), male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 64,5 mm x 21,0 mm
- NM-32**            N Connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 62,5 mm x 21,0 mm
- SR01-32**          Adapter, for 11/50 - RG11, for UNDERGROUND (Hardline) installation

**ITALIANA CONDUTTORI s.r.l.**

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

**Date****12/05/2017****Responsible****PierPaolo Piccinini**