

**Description**

Double Shielded Coaxial Cable, for transport and distribution - 75 Ohm  
Outdoor cable for hung-up installation (Screening attenuation - Class A)



Data Sheet

**CATV11AP**



Ø	1,63	7,20	7,37	7,85		17,00 x 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**

EN50117-11-2

**Reaction to Fire**

EN50575

**Application**

CATV

Hung-up installation

**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
Aluminum/Polyester/Aluminum+Surlyn 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 (RAL 9011) - with carbonblack	(PE)	Ø 17,00 x 10,10 ± 0,15	mm
Messenger rope of zinc-plated steel	(FeZn)	7x0,80	mm

Printed each meter by yellow ink-jet :

**CAVEL CATV 11 AP MADE IN ITALY 75 Ohm Euroclass Fca EN50117-11-2 SA Class A ggaan m**

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

Messenger Maximum tensile strength	500	kg
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**ITALIANA CONDUTTORI s.r.l.**

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

Date

09/09/2022

Responsible

A. Bergaglio

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Coaxial Cables

**CAVEL®**

since 1968

Data Sheet

**CATV11AP****Physical data**

Weight of copper conductors	34,57	kg/km
Total weight of cable	124,20	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
Shield Insulation voltage (spark test)		8	kV
Maximum current (I <sub>eff</sub> )		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	Transfer Impedance (Z <sub>t</sub> )	
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 8 mΩ/m
1000 - 2000 MHz	>95 dB		
2000 - 3000 MHz	>90 dB		

## Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	690	10,50
10	1,50	1000	13,00
30	2,20	1750	17,90
50	2,80	2150	20,00
200	5,50	2400	22,00
300	6,90	3000	25,00
470	8,80		

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**CATV11AP****Connectors**

<b>3,5/12M-TL232</b>	3,5/12" connector, male, for UNDERGROUND (Hardline) installation -
<b>5/8MU-TL232</b>	5/8" connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 69,0 mm x 20,5 mm
<b>C75-5L</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CCFM75GI</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CS17</b>	Stripper for Distribution Cables, male, Tools -
<b>DR01</b>	Adapter, Nut and Washer, for INDOOR installation
<b>F163</b>	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>F81-HQ</b>	Adapter, F Adapter FF, for INDOOR installation
<b>FA17/73</b>	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 33,0 mm x 14,5 mm
<b>FC11QM</b>	Series F Compression, Quick Mount, for OUTDOOR installation
<b>FM-FF90</b>	Adapter, FM - FF 90°, for INDOOR installation
<b>FM-TL232</b>	Series F, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 76,0 mm x 31,0 mm
<b>IEC14M-32</b>	Series IEC (toolless), male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 64,5 mm x 21,0 mm
<b>LTE790</b>	Indoor Fittings, Filter, for INDOOR installation
<b>MM-F703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>MM-FR703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>NM-32</b>	N Connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 62,5 mm x 21,0 mm
<b>SAT2VS</b>	Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation
<b>SR01-32</b>	Adapter, for 11/50 - RG11, for UNDERGROUND (Hardline) installation

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