

**Description**

Distribution and trunk coaxial cable with messenger rope - 75 Ohm  
 Outdoor cable for hung-up installation (Screening 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)

**Construction data**

Inner conductor of plain copper	(Cu)	1,63 ± 0,03 mm
Dielectric of physical foam polyethylene	(PEG)	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 under Sheath		7,85 mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	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 : <b>CAVEL CATV 11 AP MADE IN ITALY 75 Ohm EN50117-2-3 ss/aa m</b> (ss=week, aa=year) (m=meter marking)		
Messenger Maximum tensile strength		500,00 kg

**Electrical data**

Characteristic impedance	200 MHz	75 ± 2	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		8,50	Ohm/km
Outer conductor resistance		10	Ohm/km
Loop resistance		18,50	Ohm/km
Insulation voltage of the sheath (spark test)		8	kV
Maximum current (I <sub>eff</sub> )		16	A
<b>Structural return loss (SRL)</b>			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>23 dB		
2000 - 3000 MHz	>20 dB		
<b>Screening Attenuation (SA)</b>			
30 - 1000 MHz	>85 dB	5 - 30 MHz	1,1 mOhm/m
1000 - 2000 MHz	>100 dB		
2000 - 3000 MHz	>90 dB		

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

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 Tel +39-382.815150 Fax +39-0382.814212

**Date**

**18/04/2013**

**Responsible**

**PierPaolo Piccinini**

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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		

**Mechanical data**

Weight of copper conductors	34,57	kg/km	
Total weight of cable	123,76	kg/km	
Minimum bending radius (single/repeated bending)	100	mm	
Maximum cable pulling strength	300	N	
Fire Load	2.619	MJ/km	728 kWh/km

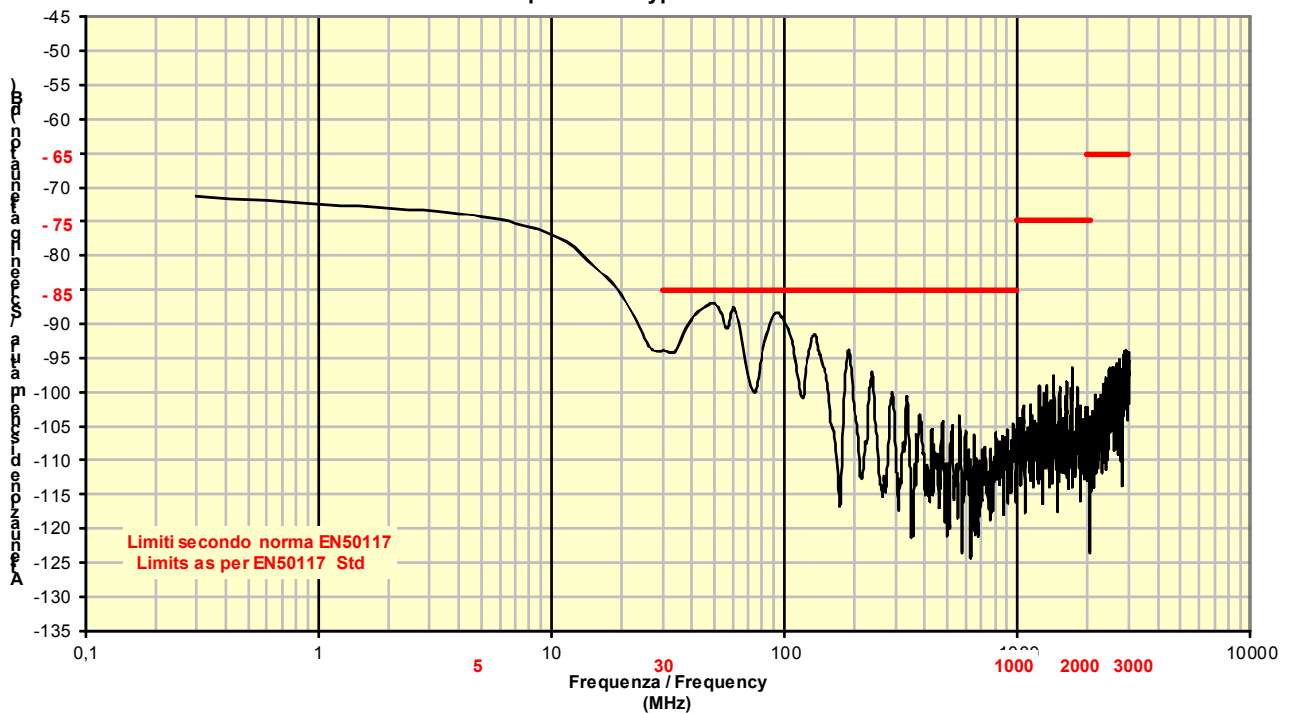
**Standards**

EN 50117-2-3

**Attenuazione di schermatura / Screening Attenuation**

**Cavo classe A / A Class Cable**

Cavo tipo / Cable type: CATV11AP



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**Data Sheet****CATV11AP****Connector**

<b>FA17/73</b>	Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 33,0 mm x 14,5 mm
<b>F163</b>	Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>FC11QM</b>	Series F Compression, Quick Mount, for outdoor installation
<b>FM-32</b>	Series F, male, for outdoor and underground installation, nitin-plated brass - 76,0 mm x 31,0 mm
<b>IEC14M-32</b>	Series IEC (no tool), male, for outdoor and underground installation, nitin-plated brass - 64,5 mm x 21,0 mm
<b>NM-32</b>	Serie N, male, for outdoor and underground installation, nitin-plated brass - 62,5 mm x 21,0 mm
<b>5/8MU-32</b>	Serie 5/8", male, for outdoor and underground installation, nitin-plated brass - 69,0 mm x 20,5 mm
<b>3,5/12M-32</b>	Serie 3,5/12", male, for outdoor and underground installation, nitin-plated brass - 65,5 mm x 24,5 mm

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