

Description

Distribution and trunk coaxial cable with messenger rope - 75 Ohm

Outdoor cable for hung-up installation (Screening Class A)

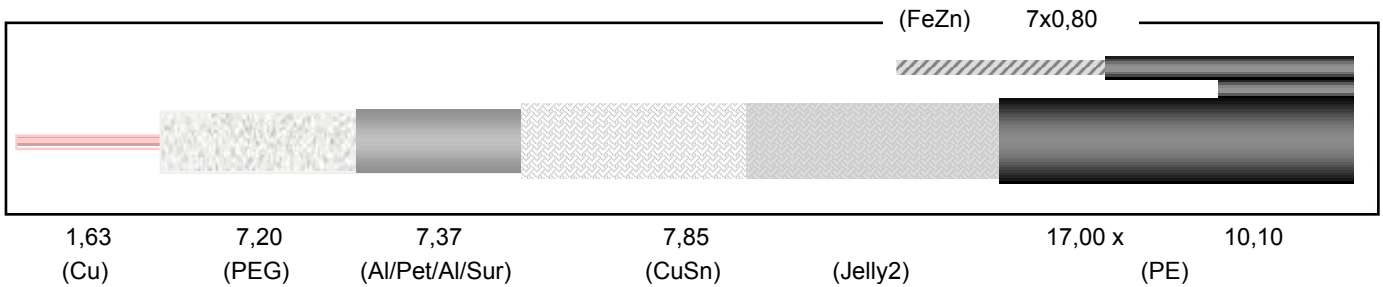
Coaxial Cables

CAVEL®

since 1968

Data Sheet

CATV11AP



Constructive 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 %
Alternative braid	(CuSn)		
Braid optical coverage (IEC 96-1)			61 %
Tracer Identifier	Year + Flag		
Water repellent sealing (sheath)	(Jelly2)		
Outer sheath of Polyethylene black with carbonblack (Q4)	(PE)	17,00 x 10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

CCS TV 75 Ohm CAVEL CATV 11 AP MADE IN ITALY EN50117-2-3 ss/aa m

(ss=week, aa=year) (m=meter marking)

Messenger rope of zinc-plated steel	(FeZn)	7x0,80	mm
Maximum breakage load		500	kg

Electrical data

Characteristic impedance (@ 200 MHz)	75,00 ± 2,00	Ohm
Capacitance (@1kHz)	52,00 ± 2,00	pF/m
Inner conductor resistance	8,50	Ohm/Km
Outer conductor resistance	10,00	Ohm/Km
Loop Resistance	18,50	Ohm/km
Insulation voltage of the sheath (spark test)	8,00	kV
Maximum current (I _{eff})	16,00	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	

ITALIANA CONDUTTORI s.r.l.

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

Date

15/07/10

Responsible

PierPaolo Piccinini

Description

Distribution and trunk coaxial cable with messenger rope - 75 Ohm

Outdoor cable for hung-up installation (Screening Class A)

Coaxial Cables

CAVEL

since 1968

Data Sheet

CATV11AP

Screening attenuation (SA)

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>100 dB
2000 - 3000 MHz	>90 dB

Transfer impedance

5 - 30 MHz 1,1 mOhm/m

Attenuation (at 20°C and dB/100m):

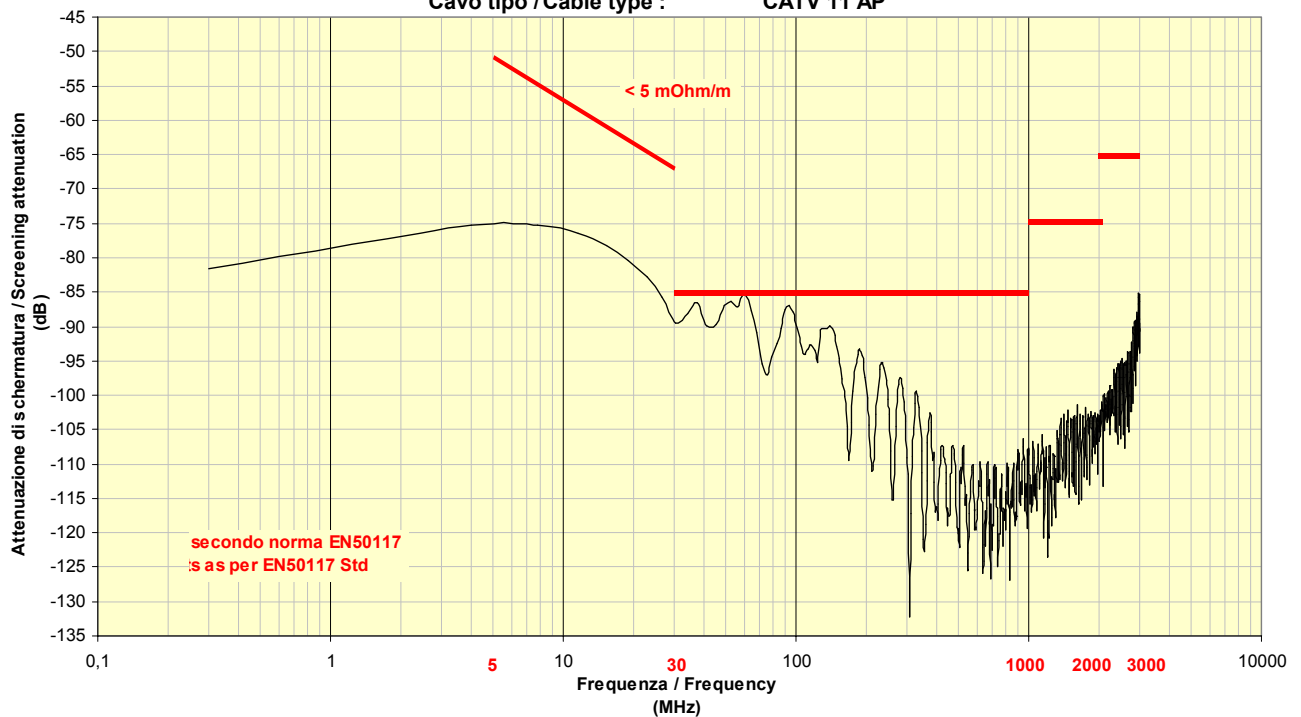
Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	11,90
10	1,50	1000	12,80
30	2,20	1750	17,90
50	2,80	2150	19,80
200	5,60	2400	21,00
300	6,90	3000	24,00
470	8,80		

Mechanical data

Weight of copper conductors	34,90	kg/km
Total weight of cable	122,40	kg/km
Minimum bending radius (single/repeated bending)	100	mm
Max. cable pulling strength	300	N

Attenuazione di schermatura / Screening Attenuation
Cavo classe A / A Class Cable

Cavo tipo / Cable type : **CATV 11 AP**



ITALIANA CONDUTTORI s.r.l.

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

Date

15/07/10

Responsible

PierPaolo Piccinini

Description

Distribution and trunk coaxial cable with messenger rope - 75 Ohm

Outdoor cable for hung-up installation (Screening Class A)

Coaxial Cables

CAVEL[®]

since 1968

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

FM-32	F male connector for outdoor and underground installation, nitin-plated brass - 56,4 x 20,5 mm
IEC14M-32	IEC male connector for outdoor and underground installation, nitin-plated brass - 64,5 x 21,0 mm
NM-32	N male connector for outdoor and underground installation, nitin-plated brass - 62,5 x 21,0 mm
5/8MU-32	5/8" connector for outdoor and underground installation, nitin-plated brass - 69,0 x 20,5 mm
3,5/12M-32	3,5/12" connector for outdoor and underground installation, nitin-plated brass - 65,5 x 24,5 mm

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli

Tel +39-382.815150 Fax +39-0382.814212

Date**15/07/10****Responsible****PierPaolo Piccinini**