

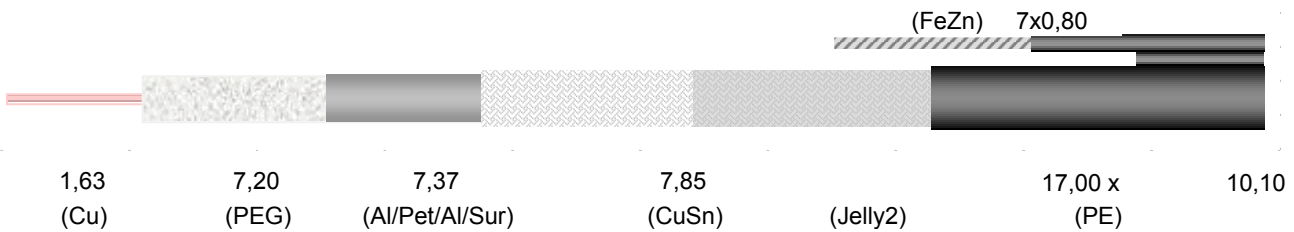
Description

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



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 %	
Tracer Identifier	Year + Flag		mm
Water repellent sealing (sheath)	(Jelly2)		
Diameter under Sheath		7,85	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(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 :

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

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

Maximum breakage load 500 kg

Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 2	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	10	Ohm/km
Loop resistance	18,50	Ohm/km
Insulation voltage of the sheath (spark test)	8	kV
Maximum current (Ieff)	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

Screening attenuation (SA)		Transfer impedance
30 - 1000 MHz	>85 dB	5 - 30 MHz 1,1 mOhm/m
1000 - 2000 MHz	>100 dB	
2000 - 3000 MHz	>90 dB	

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15/07/2010

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		

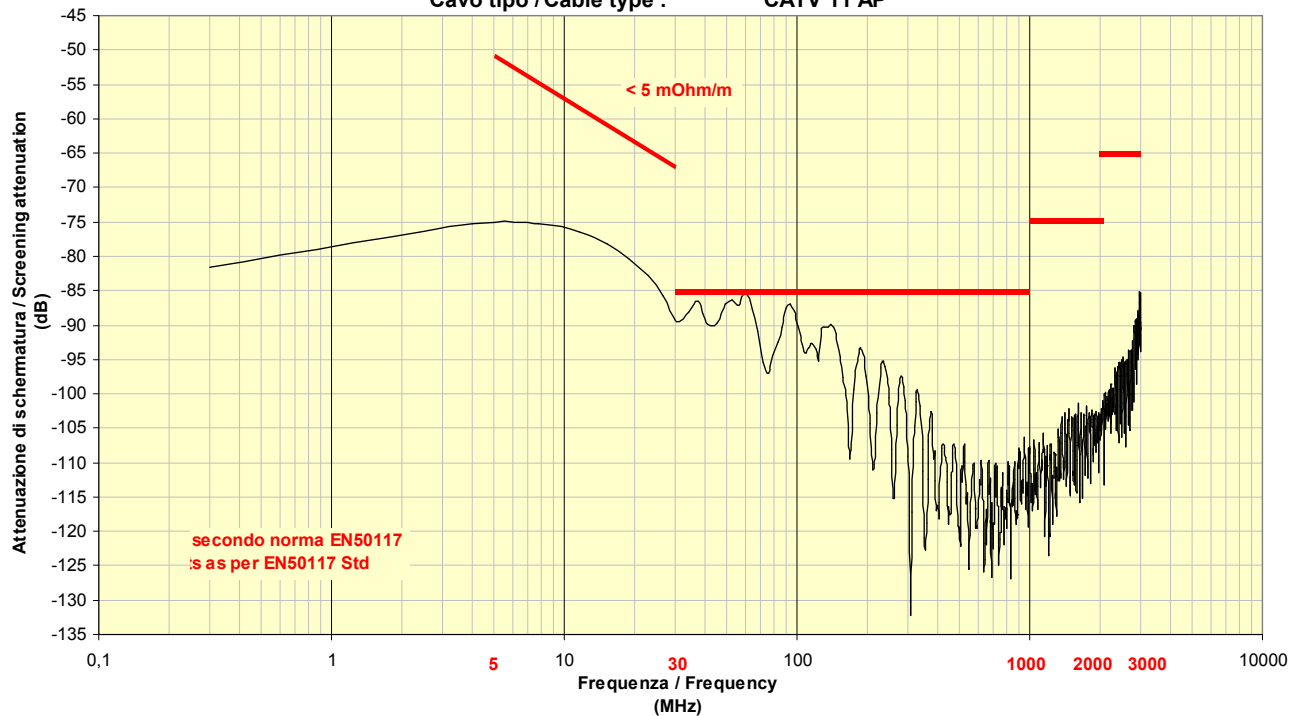
Mechanical data

Weight of copper conductors	34,90	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



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

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