

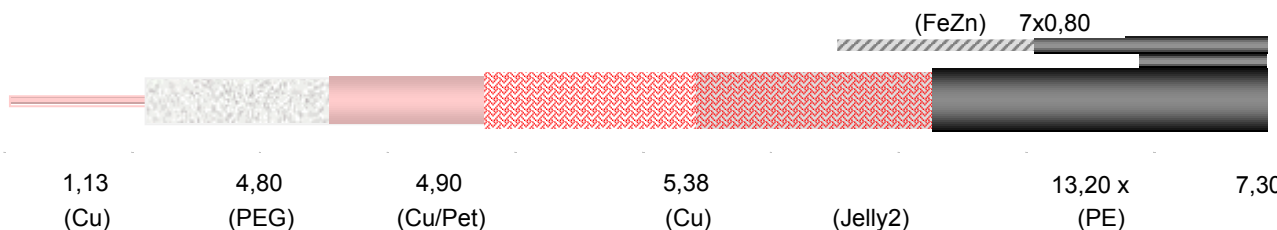
**Description**

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



**Data Sheet**

**11/50AP**



**Constructive data**

Inner conductor of plain copper	(Cu)	1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10	mm
Water repellent sealing (dielectric)	(Jelly1)		
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		60 %	
Tracer Identifier	Year + Flag		mm
Water repellent sealing (sheath)	(Jelly2)		
Diameter under Sheath		5,38	mm
Outer sheath of Polyethylene - black - with carbonblack (Q4)	(PE)	13,20 x 7,30 ± 0,10	mm
Messenger rope of zinc-plated steel	(FeZn)	7x0,80	mm

Printed each meter by yellow ink-jet :

**CCS TV 75 Ohm CAVEL 1.1/5.0 AP MADE IN ITALY EN50117-2-5 ss/aa m**

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

Maximum breakage load 500 kg

**Electrical data**

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	13,50	Ohm/km
Loop resistance	31,50	Ohm/km
Insulation voltage of the sheath (spark test)	8	Kv
Maximum current (Ieff)	8,00	A

**Structural return loss (SRL)**

5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

**Screening attenuation (SA)**

30 - 1000 MHz	>85 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>70 dB

Transfer impedance  
 5 - 30 MHz < 0,5 mOhm/m

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

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

**Date**

**08/09/2008**

**Responsible**

**PierPaolo Piccinini**

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	862	16,80
10	2,10	1000	17,90
30	2,90	1750	24,80
50	3,80	2150	27,40
200	7,90	2400	29,10
300	9,70	3000	33,00
470	12,00		

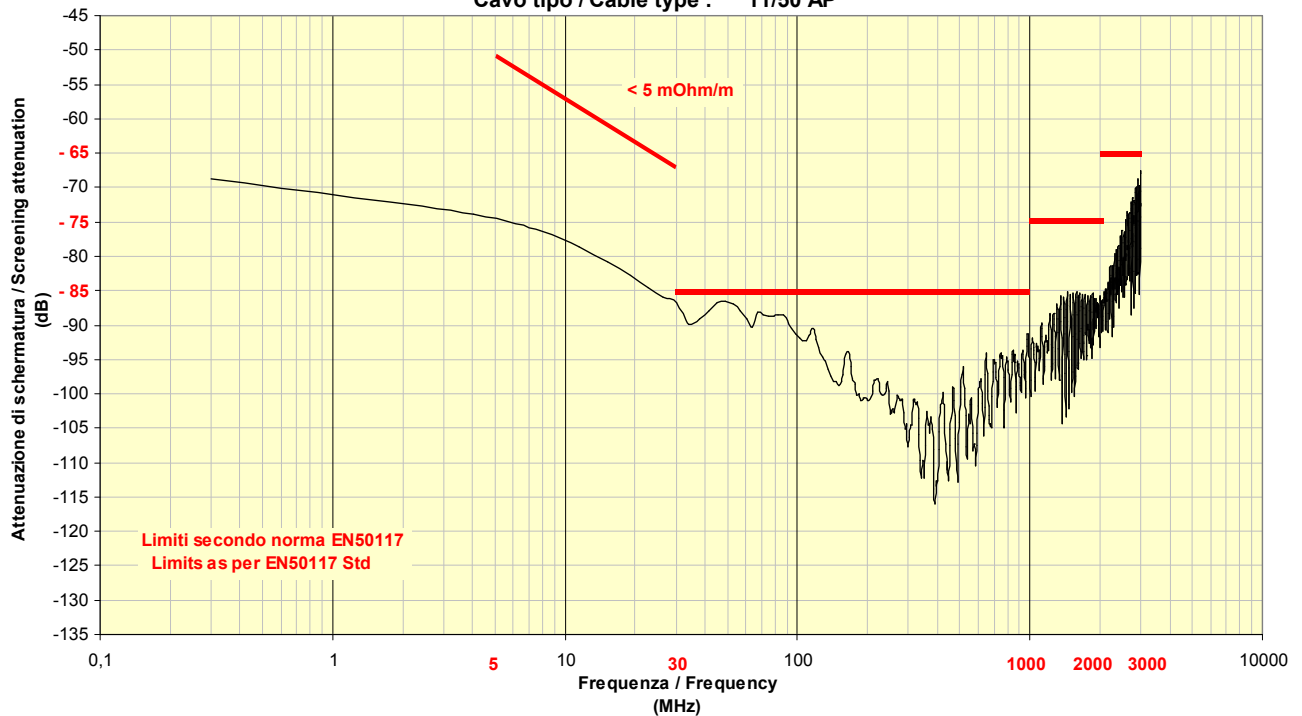
**Mechanical data**

Weight of copper conductors	22,90	kg/km
Total weight of cable	87,00	kg/km
Minimum bending radius (single/repeated bending)	50	mm
Max. cable pulling strength	200	N

**Attenuazione di schermatura / Screening Attenuation**

**Cavo classe A / A Class Cable**

Cavo tipo / Cable type : 11/50 AP



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