

Description

Outdoor drop coaxial cable - 75 Ohm
Outdoor installation cable (Screening Class A)

Coaxial Cables

CAVEL

since 1968

Data Sheet

11/48L

1,13	4,80	4,90	5,38		7,30
(Cu)	(PEG)	(Cu/Pet)	(Cu)	(Jelly2)	(PE)

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)	7,30 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL 1.1/4.8 L MADE IN ITALY 75 Ohm EN50117-2-5 CEI-UNEL 36762 C-4 (U0 =400V) ss/aa - m

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

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	24,40
50	3,80	2150	27,40
200	7,90	2400	29,10
300	9,70	3000	33,00
470	12,00		

Mechanical data

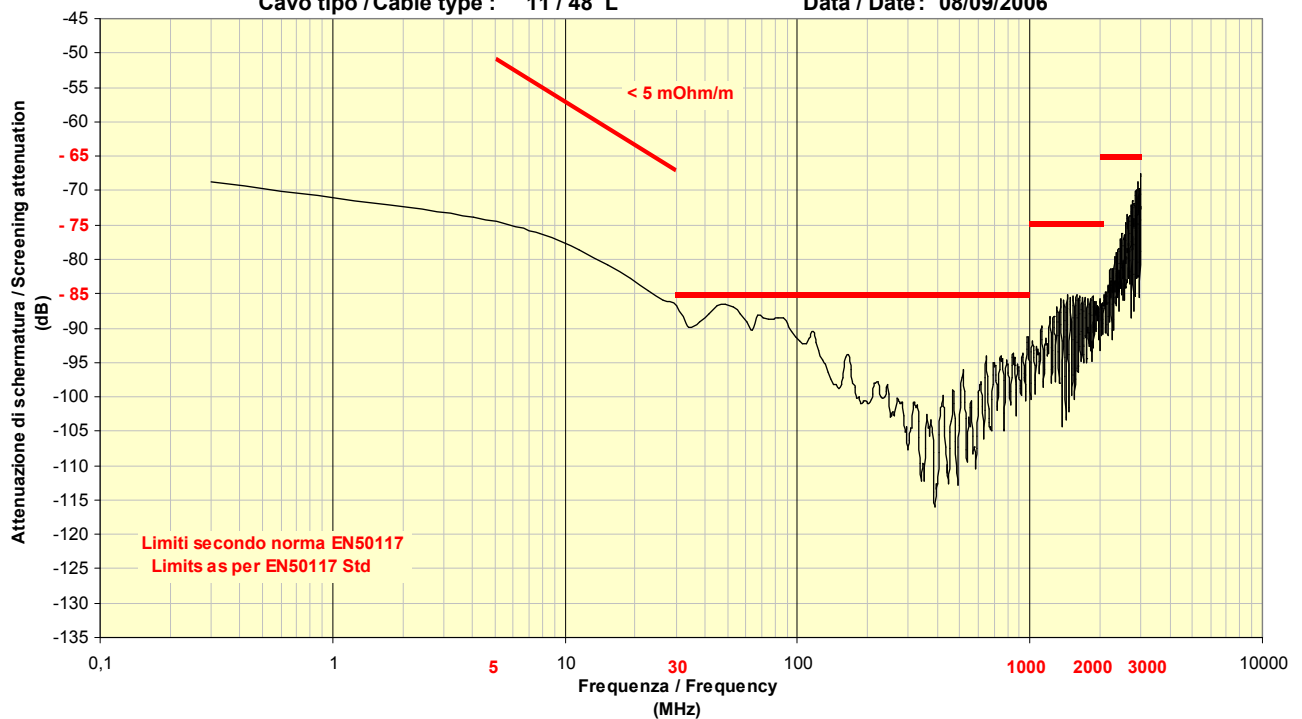
Weight of copper conductors	22,90	kg/km
Total weight of cable	46,00	kg/km
Minimum bending radius (single/repetead bending)	50	mm
Max. cable pulling strenght	200	N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : 11 / 48 L

Data / Date : 08/09/2006



Connector

FA125	F male twist-on connector for indoor installation, nitin-plated brass - 30,0 x 12,0 mm
F125A	F male crimp connector for indoor installation, nitin-plated brass - 24,0 x 12,0 mm
FC703	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
BNCC703	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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