

Description

Outdoor drop coaxial cable - 75 Ohm

Outdoor installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

11/50FC



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

Class CPR acc. to UE 305/2011 (DoP)

F_{ca}

The cable can be used in the field of application of the Construction Product Regulation (DoP) UE nr. 305/2011 for the class of performance specified on the related product label.

Standards

EN 50117-2-5

Fire-Resistance Rating

EN50575

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Copper/Polyester tape longitudinally overlapped	(Cu/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of annealed copper wires	(Cu)		
Braid optical coverage (IEC 96-1)		59	%
Tracer Identifier	Year + Flag		
Water repellent sealing (sheath)	(Jelly2)		
Diameter over Braid		Ø 5,30	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 7,30 ± 0,10	mm

Printed each meter by yellow ink-jet :

CAVEL 1.1/5.0 FC MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-5 CEI-UNEL 36762 C-4 (U0 = 400V)
gggaan m

(ggg=day)(aa=year)(n=batch) (m=meter marking)

Physical data

Weight of copper conductors	20,50	kg/km
Total weight of cable	46,00	kg/km
Minimum bending radius (single/repeated bending)	50	mm
Maximum cable pulling strength	200	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
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Responsible

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Outer conductor resistance		14,80	Ohm/km
Loop resistance		32,80	Ohm/km
Sheat Insulation voltage (spark test)		8	kV
Maximum current (Ieff)		8	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)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class B
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 11 mOhm/m
1000 - 2000 MHz	> 90 dB		
2000 - 3000 MHz	> 75 dB		

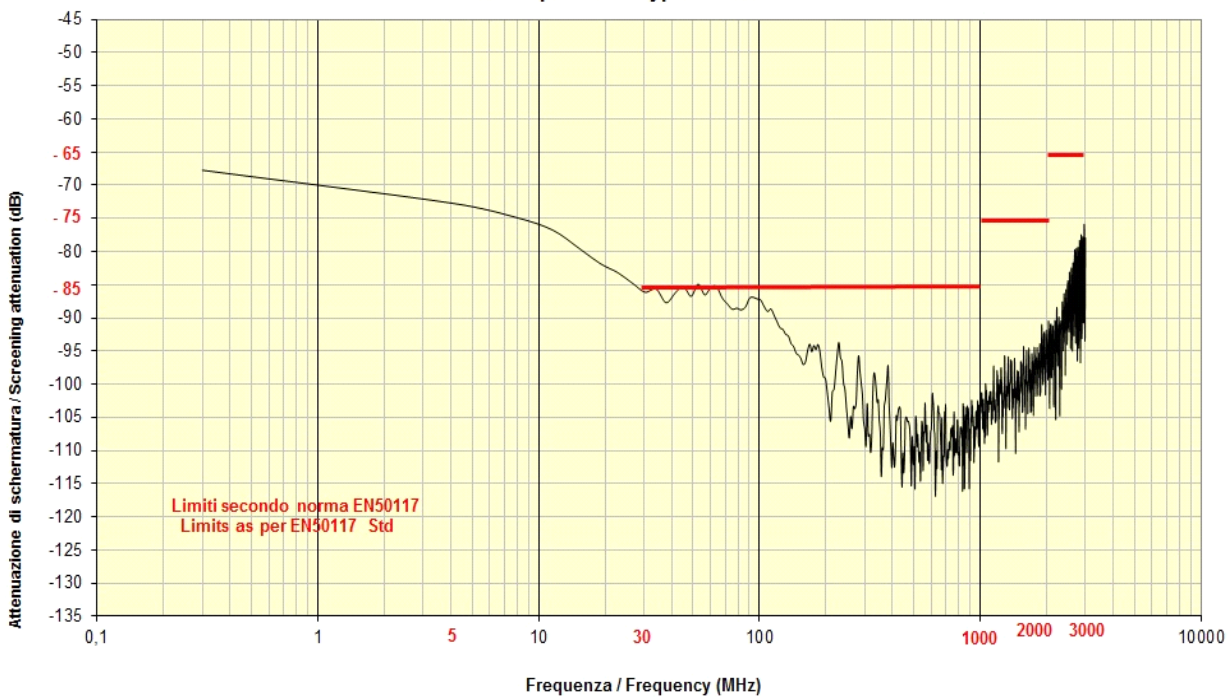
Attenuation (at 20°C)

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	27,30
200	7,90	2400	29,10
300	9,70	3000	33,00
470	12,00		

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type: 11/50FC



Limiti secondo norma EN50117
 Limits as per EN50117 Std

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**Data Sheet****11/50FC****Connectors**

BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F125A	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 24,0 mm x 12,0 mm
FA125	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation
FM-TL121	Series F, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 48,5 mm x 15,5 m
IECFC703	Serie IEC Compression, female, no tool, for OUTDOOR installation
IECMC703	Serie IEC Compression, male, for OUTDOOR installation
SR01-32	Adapter, for 11/50 - RG11, for UNDERGROUND (Hardline) installation
SR01-46	Adapter, for 11/50FC - 34/145, for UNDERGROUND (Hardline) installation
SR21-44	Adapter, for 11/50FC - 27/115, for UNDERGROUND (Hardline) installation

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