

Description

Double Shielded Coaxial Cable, for transport and distribution - 75 Ohm
Outdoor and Underground installation cable (Screening Attenuation - Class A)



Data Sheet

11/50FC



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

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

Fca

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

EN50117-10-2 CEI-UNEL 36762

Reaction to Fire

EN50575

Application

Exterior and Underground Installation

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 (RAL 9011) - 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 EN50117-10-2 SA Class A CEI-UNEL 36762 C-4 (U0 = 400V) gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	20,50	kg/km
Total weight of cable	47,50	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Velocity Ratio		85 %	

ITALIANA CONDUTTORI s.r.l.

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Inner conductor resistance		18	Ohm/km
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	Transfer Impedance (Zt)	
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 11 mOhm/m
1000 - 2000 MHz	> 80 dB		
2000 - 3000 MHz	> 65 dB		

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	690	14,50
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		

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11/50FC**Connectors**

BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
C75-5L	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
CCFM75GI	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
DR01	Adapter, Nut and Washer, for INDOOR installation
F125A	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 24,0 mm x 12,0 mm
F81-HQ	Adapter, F Adapter FF, for INDOOR installation
FA125	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FC02	Other Tools, Scissor multi purpose CAVEL, Tools -
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation
FM-FF90	Adapter, FM - FF 90°, for INDOOR 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
LTE790	Indoor Fittings, Filter, for INDOOR installation
MM-F703	Adapter, F Adapter MM, for INDOOR installation
MM-FR703	Adapter, F Adapter MM, for INDOOR installation
SAT2VS	Indoor Fittings, F SAT 2-way Splitter, for INDOOR 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
TV2VS	Indoor Fittings, IEC TV 2-way Splitter, for INDOOR installation

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