

Description

Distribution and trunk coaxial cable with messenger rope - 75 Ohm

Underground installation cable (Screening Class A)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RG11FC



Ø	1,63	7,20	7,37	8,01		10,10
	(FeCu)	(PEG)	(Al/Pet/Al/Sur)	(Al)	(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 50117-2-3

Fire-Resistance Rating

EN50575

Construction data

Inner conductor of copper clad steel	(FeCu)	Ø 1,63 ± 0,03	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 7,20 ± 0,10	mm
Aluminium/Polyester/Aluminium/Surlyn tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)		
Braid of aluminium wires	(Al)		
Braid optical coverage (IEC 96-1)		65	%
Tracer Identifier	Year + Flag		
Water repellent sealing (sheath)	(Jelly2)		
Diameter over Braid		Ø 8,01	mm
Outer sheath of Polyethylene - black with two green bands - with carbonblack	(PE)	Ø 10,10 ± 0,15	mm

Printed each meter by yellow ink-jet :

CAVEL RG 11 FC MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-3 CEI-UNEL 36762 C-4 (U0 = 400V)
gggaan m

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

Physical data

Total weight of cable	73,74	kg/km
Minimum bending radius (single/repeated bending)	100	mm
Maximum cable pulling strength	800	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data

Characteristic impedance	75 ± 2	Ohm
Capacitance (@1kHz)	53 ± 2	pF/m
Velocity Ratio	85 %	
Inner conductor resistance	37,50	Ohm/km
Outer conductor resistance	11,50	Ohm/km

ITALIANA CONDUTTORI s.r.l.

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Responsible

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Loop resistance		49	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	>23 dB		
2000 - 3000 MHz	>20 dB		
Screening Attenuation (SA)	SA-Class A	Shield Transfer Impedance (Zt)	Zt-Class B
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 15 mOhm/m
1000 - 2000 MHz	>85 dB		
2000 - 3000 MHz	>85 dB		

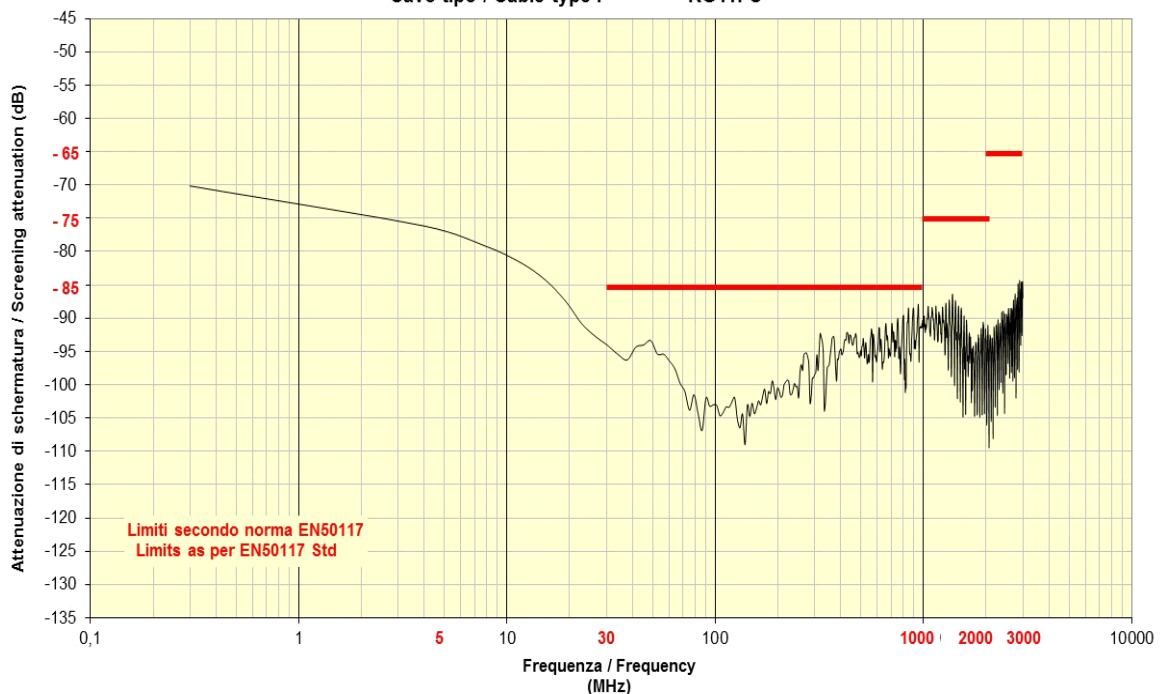
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,10	862	12,30
10	1,50	1000	13,20
30	2,20	1750	18,50
50	2,80	2150	20,80
200	5,60	2400	22,20
300	6,90	3000	25,30
470	8,80		

Attenuazione di schermatura / Screening Attenuation

Cavo classe A / A Class Cable

Cavo tipo / Cable type : **RG11FC**



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**Data Sheet****RG11FC****Connectors**

F163	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
FA17/73	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 33,0 mm x 14,5 mm
FC11QM	Series F Compression, Quick Mount, for OUTDOOR installation
FM-TL232	Series F, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 76,0 mm x 31,0 mm
IEC14M-32	Series IEC (toolless), male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 64,5 mm x 21,0 mm
NM-32	N Connector, male, for UNDERGROUND (Hardline) installation, nitin-plated brass - 62,5 mm x 21,0 mm
SR01-32	Adapter, for 11/50 - RG11, for UNDERGROUND (Hardline) installation

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