

Distribution and trunk coaxial cable for burial installation
- 75 Ohm
Underground installation cable (Screening Class A+)



CAVEL Code:

34/145FC

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Constructive Data

Inner conductor of plain copper	(Cu)	Ø 3,40 mm
Dielectric of physical foam polyethylene	(PEG)	Ø 14,50 mm
Water repellent sealing (dielectric)	(Jelly1)	
Copper tape longitudinally overlapped	(Cu)	
Braid of annealed copper wires	(Cu)	Ø
Braid optical coverage (IEC 96-1)		61 %
Tracer Identifier	Year + Flag	
Water repellent sealing (sheath)	(Jelly2)	
Outer sheath of Polyethylene black with carbonblack (Q4)	(PE)	Ø 0 19,80 ± 0,20 mm
printed each meter by yellow ink-jet :	(ss=week, aa=year) (m=meter marking)	

CCS TV 75 Ohm CAVEL 3.4/14.5 FC MADE IN ITALY EN50117-2-3 ss/aa m

Mechanical Parameters

Weight of copper conductors	153,00	kg/km
Total weight of cable	332,00	kg/km
Minimum bending radius (single/repeated bending)	250	mm
Max. cable pulling strength	1.200	N

Electrical Parameters

Characteristic impedance (@ 200 MHz)	75,00 ± 2,00	Ohm
Capacitance (@1kHz)	53,00 ± 2,00	pF/m
Velocity factor	85 %	
Inner conductor resistance	2,1	Ohm/km
Outer conductor resistance	2,6	Ohm/km
loop Resistance	4,7	Ohm/km
Maximum current (Ieff)	34,0	A
Insulation voltage of the sheath (spark test)	12,0	kV
Comply to the Standard:	EN 50117-2-3	

-Attenuation-

Frequency (MHz)	5	10	30	50	200	300	470	862	1000	1750	2150	2400	3000
dB/100m	0,50	0,70	1,10	1,40	2,90	3,60	4,60	6,40	6,90	9,40	10,60	11,20	12,50

Structural return loss (SRL)

5 - 470 MHz	>25 dB
470 - 1000 MHz	>24 dB
1000 - 2000 MHz	>21 dB
2000 - 3000 MHz	>20 dB

Transfer impedance

5 - 30 MHz 0,02 mOhm/m

Screening attenuation (SA)

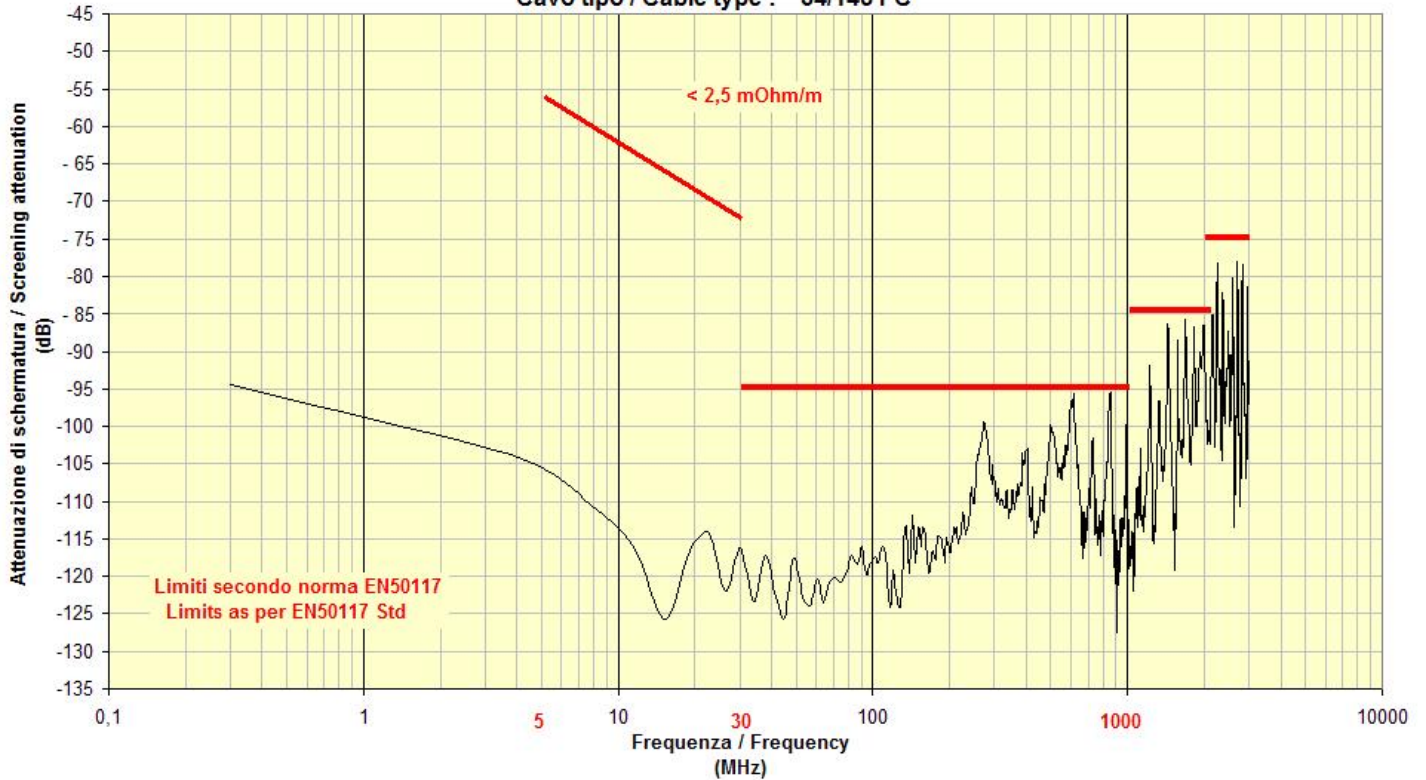
30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>80 dB



Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type : 34/145 FC



Standard Packaging

Mod 5 Wooden drum for bulk lengths

Reel of 500 and 700 m length available

Connectors

3,5/12M-46

3,5/12" connector for outdoor and underground installation

5/8MU-46

5/8" connector for outdoor and underground installation

FM-46

F male connector for outdoor and underground installation

IEC14M-46

IEC male connector for outdoor and underground installation