

## Description

Indoor drop coaxial cable - 75 Ohm  
Cable for digital reception (Screening Class A+)



## Data Sheet

RP61B



1,00 (Cu)	4,75 (PEG)	4,97 (Al/Pet/Sur)	5,37 (CuSn)	6,60 (PVC)
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## Constructive data

Inner conductor of plain copper	(Cu)	1,00 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEG)	4,75 ± 0,10 mm
Aluminium/Polyester/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Sur)	
Braid of tinned copper wires	(CuSn)	
Braid optical coverage (IEC 96-1)		52 %
Diameter under Sheath		5,37 mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,60 ± 0,10 mm

Printed each meter by black ink-jet :

**CAVEL RP61B MADE IN ITALY 75 Ohm EN50117-2-4 Class A+ 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)		54 ± 2	pF/m
Velocity factor		82 %	
Outer conductor resistance		13,20	Ohm/km
Loop resistance		35,70	Ohm/km
Insulation voltage of the sheath (spark test)		3	kV
Maximum current (Ieff)		6,00	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)			Transfer impedance
30 - 1000 MHz	>95 dB	5 - 30 MHz	< 0,19 mOhm/m
1000 - 2000 MHz	>90 dB		
2000 - 3000 MHz	>85 dB		

**ITALIANA CONDUTTORI s.r.l.**

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Date

08/09/2008

Responsible

PierPaolo Piccinini

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Coaxial Cables

CAVEL®

since 1968

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,70	862	18,80
10	2,30	1000	20,30
30	3,50	1750	27,60
50	4,50	2150	30,90
200	8,70	2400	32,80
300	10,70	3000	37,20
470	13,60		

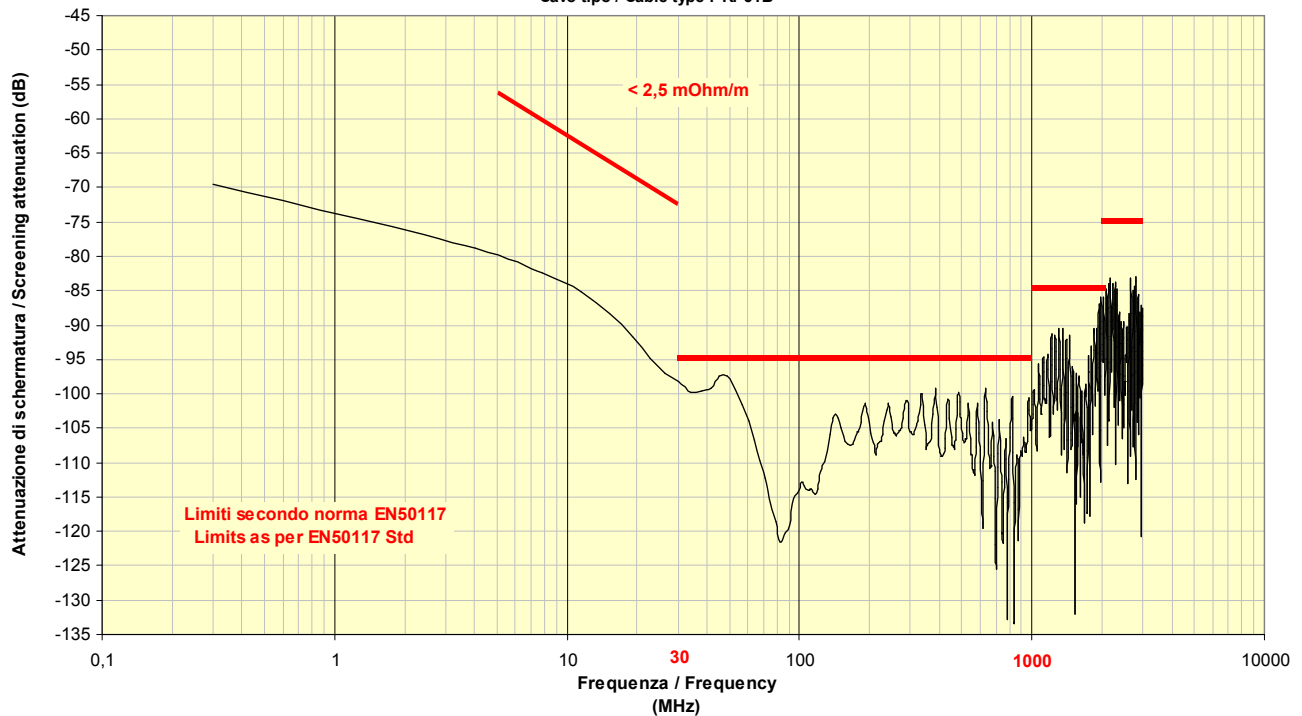
## Mechanical data

Weight of copper conductors	14,10	kg/km
Total weight of cable	41,10	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Max. cable pulling strength	150	N

## Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class cable

Cavo tipo / Cable type : RP61B



## Connector

<b>FA703</b>	F male twist-on connector for indoor installation, nitin-plated brass - 22,0 x 12,0 mm
<b>F703</b>	F male crimp connector for indoor installation, nitin-plated brass - 21,0 x 12,0 mm
<b>FC703</b>	F male compression connector for outdoor installation, nitin-plated brass - 30,0 x 12,0 mm
<b>BNCC703</b>	BNC male compression connector for outdoor installation, nitin-plated brass - 35,0 x 14,0 mm

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