

Description

Indoor drop coaxial cable - 75 Ohm
Double shielded cable (Screening Class A+)

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RP6B



1,00 (Cu)	4,30 (PEG)	4,51 (Al/Pet/Sur)	4,91 (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)	4,30 ± 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)		56 %
Diameter under Sheath		4,91 mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,60 ± 0,10 mm

Printed each meter by black ink-jet :

CAVEL RP 6 B 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)	52 ± 2	pF/m
Velocity factor	85 %	
Outer conductor resistance	13,20	Ohm/km
Loop resistance	35,70	Ohm/km
Insulation voltage of the sheath (spark test)	3	kV

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)

30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>90 dB
2000 - 3000 MHz	>75 dB

Transfer impedance

5 - 30 MHz 0,25 mOhm/m

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

08/09/2008

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,70	862	19,20
10	2,30	1000	20,80
30	3,50	1750	28,00
50	4,50	2150	31,50
200	9,00	2400	33,50
300	11,00	3000	38,10
470	14,00		

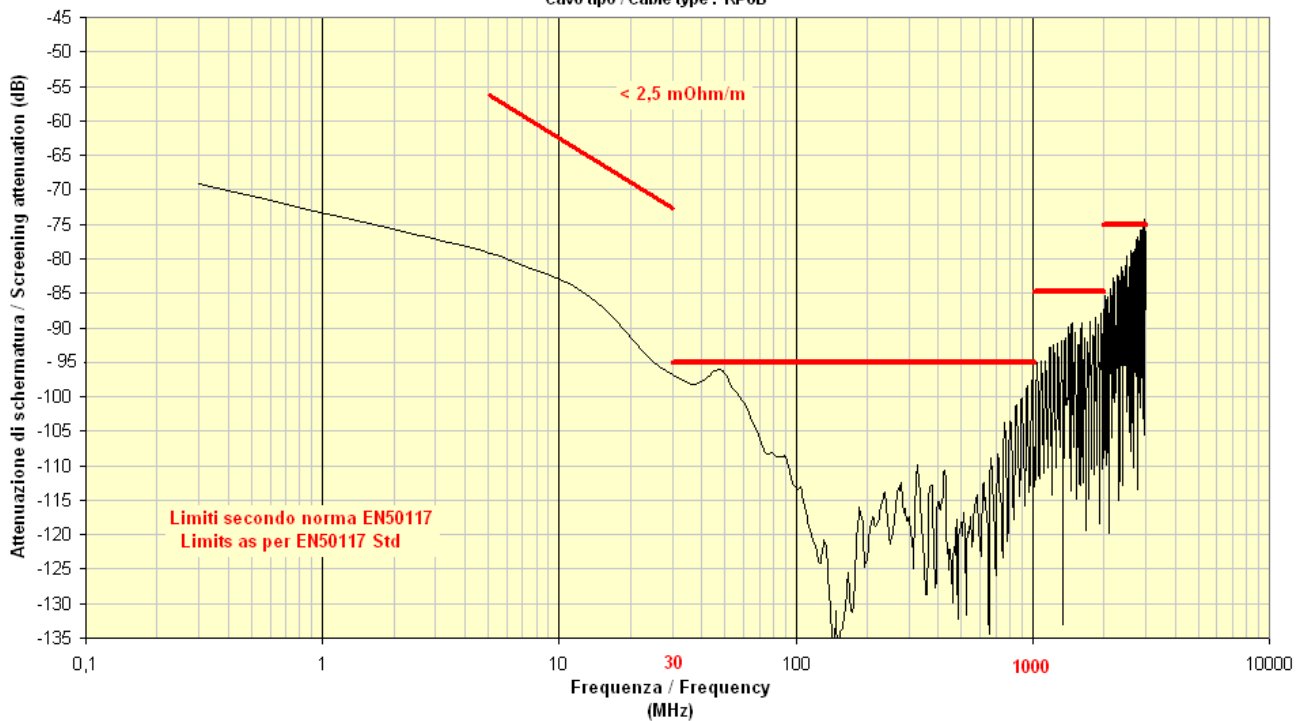
Mechanical data

Weight of copper conductors	14,00	kg/km
Total weight of cable	41,80	kg/km
Minimum bending radius (single/repetead bending)	35/70	mm

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class cable

Cavo tipo / Cable type : RP6B



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