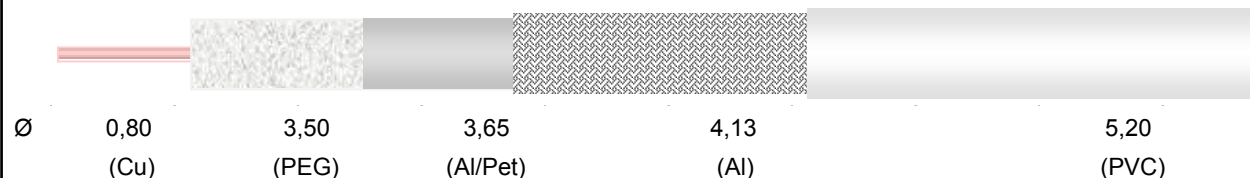


**Description**

Indoor drop coaxial cable for digital reception - 75 Ohm

Class A

**Data Sheet****RP55B****Class CPR acc. to UE 305/2011 (DoP)****Eca**

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 50117-2-4

**Reaction to Fire**

EN50575

**Construction data**

Inner conductor of plain copper	(Cu)	Ø 0,80 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 3,50 ± 0,10	mm
Outer Aluminium/Polyester tape longitudinally overlapped	(Al/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of aluminium wires	(Al)		
Braid optical coverage (IEC 96-1)		81	%
Diameter over Braid		Ø 4,13	mm
Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	Ø 5,20 ± 0,10	mm
Printed each meter by blue ink-jet :			

**CAVEL RP55B MADE IN ITALY 75 Ohm Euroclass Eca EN50117-2-4 CEI-UNEL 36762 C-4 (U0=400V)****ULTRA HD/4K gggaa m**

(gggaan=batch number m=meter marking)

**Physical data**

Weight of copper conductors	4,50	kg/km
Total weight of cable	24,00	kg/km
Minimum bending radius (single/repeated bending)	25/50	mm
Maximum cable pulling strength	90	N
Maximum tensile strength during the installation	90	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

**Electrical data**

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		35	Ohm/km
Outer conductor resistance		19	Ohm/km
Loop resistance		54	Ohm/km
Sheat Insulation voltage (spark test)		2,50	kV

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

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

**Date****03/05/2018****Responsible****Alberto Scardovi**

## Description

Indoor drop coaxial cable for digital reception - 75 Ohm

Class A

Coaxial Cables

**CAVEL®**

since 1968

Data Sheet

**RP55B**

Maximum current (Ieff)

4

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

Shield Transfer Impedance (Zt)

Zt-Class A

30 - 1000 MHz	> 85 dB
1000 - 2000 MHz	> 75 dB
2000 - 3000 MHz	> 70 dB

5 - 30 MHz

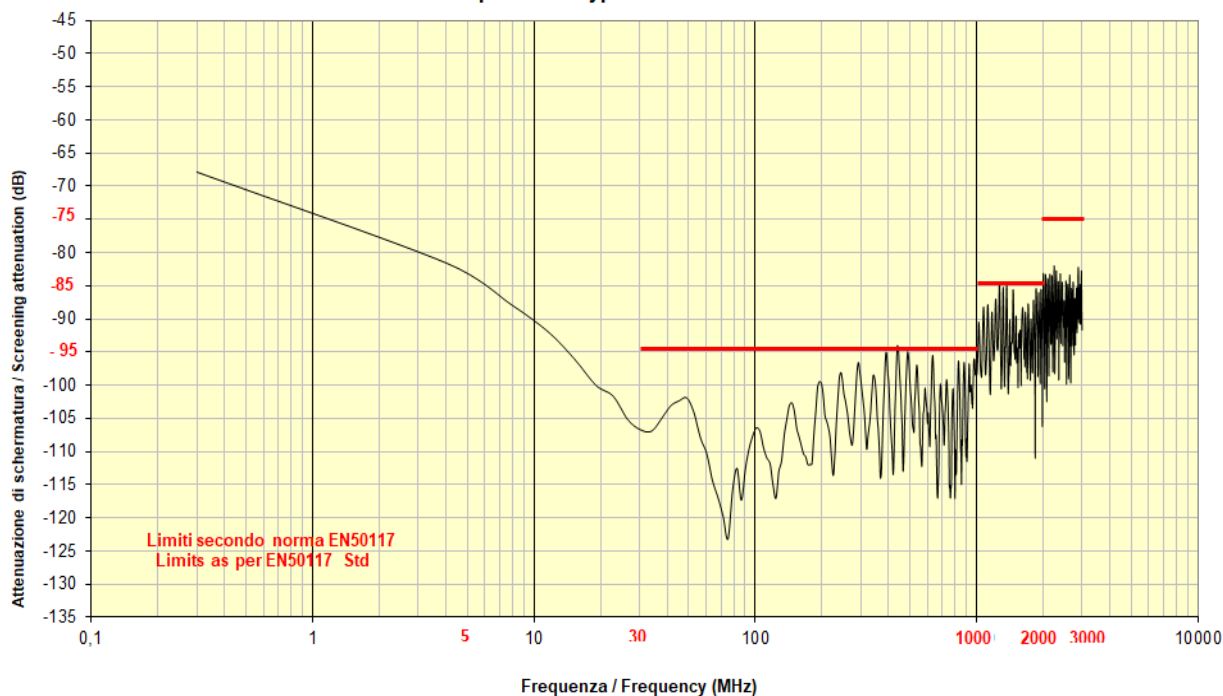
&lt; 4 mOhm/m

Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,70	862	22,90
10	2,50	1000	24,80
30	4,10	1750	33,40
50	5,30	2150	37,60
200	10,70	2400	40,00
300	13,20	3000	44,60
470	16,60		

**Attenuazione di schermatura / Screening Attenuation****Cavo classe A+ / A+ Class Cable**

Cavo tipo / Cable type: RP55B 26 Giu. 2019

**Connectors****FCEM5.0C**

Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass

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Responsible

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