

**Description**

Double-shielded Drop Coaxial Cable, for digital reception - 75 Ohm

Indoor installation cable (Screening attenuation - Class A+)

Coaxial Cables

**CAVEL**

since 1968

Data Sheet

**RP65B**

Ø	1,00	4,75	4,90	5,38	6,60
	(Cu)	(PEG)	(Al/Pet)	(Al)	(PVC)

**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**

EN50117-9-2

CEI-UNEL 36762

**Reaction to Fire**

EN50575

**Application**

DOCSIS 3.1 (Data Over Coax System)

4K-UHD

Indoor Installation

**Construction data**

Inner conductor of plain copper	(Cu)	Ø 1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,75 ± 0,10	mm
Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of aluminum wires	(Al)		
Braid optical coverage (IEC 96-1)		43	%
Diameter over Braid		Ø 5,38	mm
Outer sheath of Polyvinylchloride - white - lead-free	(PVC)	Ø 6,60 ± 0,10	mm

Printed each meter by blue ink-jet :

**CAVEL RP65B MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 SA Class A+ CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 4K gggaa(n) m**

(gggaan=batch number m=meter marking)

**Physical data**

Weight of copper conductors	7,00	kg/km
Total weight of cable	36,10	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +70	°C

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

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Tel +39-382.815150 Fax +39-0382.814212

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Responsible

A. Bergaglio

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**RP65B****Electrical data**

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		54 ± 2	pF/m
Velocity Ratio		82 %	
Inner conductor resistance		22,50	Ohm/km
Outer conductor resistance		19	Ohm/km
Loop resistance		41,50	Ohm/km
Sheat Insulation voltage (spark test)		3	kV
Maximum current (Ieff)		8	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+

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

## Transfer Impedance (Zt)

5 - 30 MHz

&lt; 20 mOhm/m

## Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	690	16,80
10	2,10	1000	20,40
30	3,30	1750	27,70
50	4,30	2150	31,10
200	8,70	2400	33,10
300	11,10	3000	37,70
470	13,60		

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**RP65B****Connectors**

<b>BNCC703</b>	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
<b>C75-5L</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CCFM75GI</b>	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
<b>CS00</b>	Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools -
<b>DR01</b>	Adapter, Nut and Washer, for INDOOR installation
<b>F703</b>	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>F81-HQ</b>	Adapter, F Adapter FF, for INDOOR installation
<b>F90</b>	Series F Crimp, F Crimp, for INDOOR installation
<b>FA703</b>	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
<b>FC7.0QM</b>	Series F Compression, Quick Mount, for OUTDOOR installation
<b>FC703</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
<b>FC703C</b>	Series F Compression, F Compression, for OUTDOOR installation
<b>FCEM7.0C</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
<b>FCPO5.1C</b>	Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
<b>FM-FF90</b>	Adapter, FM - FF 90°, for INDOOR installation
<b>FR703</b>	Series F Crimp, F crimp, "Rapid", for INDOOR installation
<b>IECF5.1C</b>	Series IEC (toolless), female, no tool, for INDOOR installation
<b>IECF90C</b>	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
<b>IECF703</b>	Series IEC Compression, female, no tool, for OUTDOOR installation
<b>IECM5.1C</b>	Series IEC (toolless), male, no tool, for INDOOR installation
<b>IECM90C</b>	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
<b>LTE790</b>	Indoor Fittings, Filter, for INDOOR installation
<b>MM-F703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>MM-FR703</b>	Adapter, F Adapter MM, for INDOOR installation
<b>SAT2VS</b>	Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation
<b>TV2VS</b>	Indoor Fittings, IEC TV 2-way Splitter, for INDOOR installation

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