

Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable

**Data Sheet****RP65B****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 1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,75 ± 0,10	mm
Aluminium/Polyester tape longitudinally overlapped	(Al/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of aluminium wires	(Al)		
Braid optical coverage (IEC 96-1)		43	%
Diameter over Braid		Ø 5,38	mm
Outer sheath of Polyvinylchloride - white (PVC) - 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 EN50117-2-4 CEI-UNEL 36762 C-4 (U = 400V)**ULTRA HD / 4K gggaan 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	-40 / +80	°C

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		22	Ohm/km
Loop resistance		44,50	Ohm/km
Sheat Insulation voltage (spark test)		3	kV
Maximum current (Ieff)		8	A

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

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Coaxial Cables

CAVEL®

since 1968

Data Sheet

RP65B

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	>90 dB
2000 - 3000 MHz	>80 dB

Shield Transfer Impedance (Zt)

Zt-Class C

5 - 30 MHz	< 20 mOhm/m
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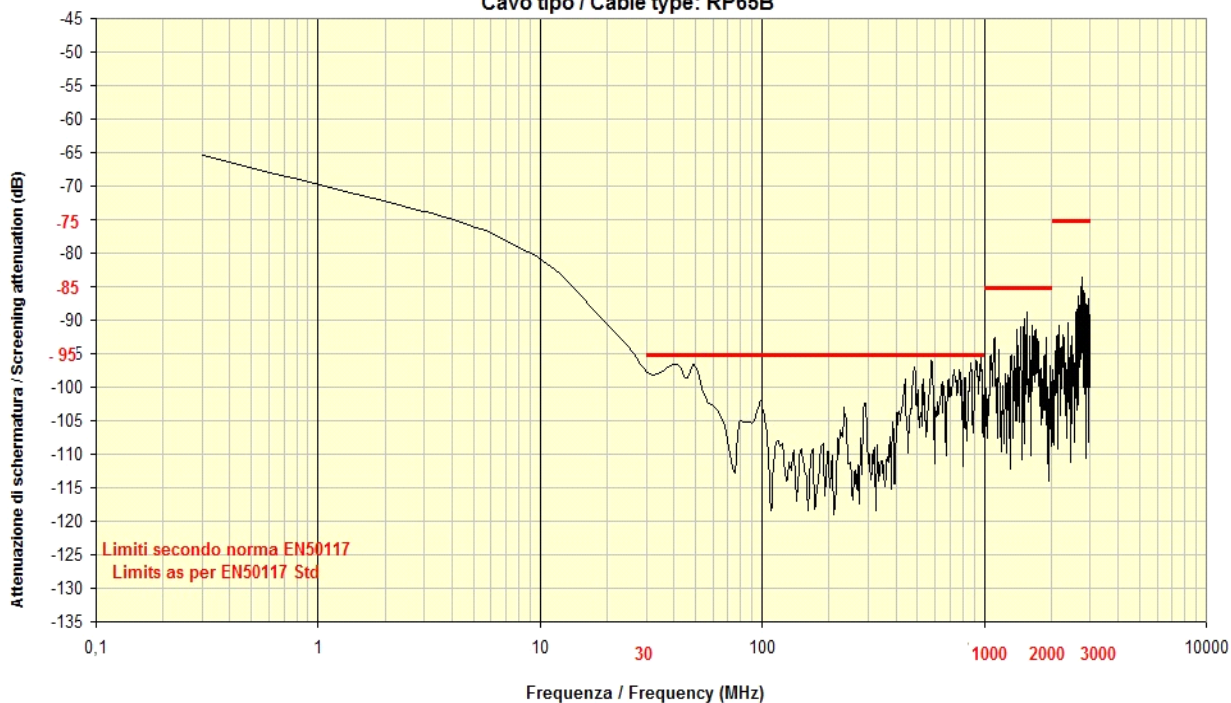
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,54	800	17,92
10	2,08	862	18,83
30	3,31	1000	20,42
50	4,29	1750	27,65
200	8,72	2150	31,11
300	11,10	2400	33,05
470	13,64	3000	37,69

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type: RP65B



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**Data Sheet****RP65B****Connectors**

BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F703	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
F90	Series F Crimp, F Crimp, for INDOOR installation
FA703	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation
FC703	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FCEM7.0C	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass
FR703	Series F Crimp, F crimp, "Rapid", for INDOOR installation
IECF5.1C	Series IEC (toolless), female, no tool, for INDOOR installation
IECF90C	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
IECF703	Series IEC Compression, female, no tool, for OUTDOOR installation
IECM5.1C	Series IEC (toolless), male, no tool, for INDOOR installation
IECM90C	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
FC703C	Series F Compression, F Compression, for OUTDOOR installation

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