

Description

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

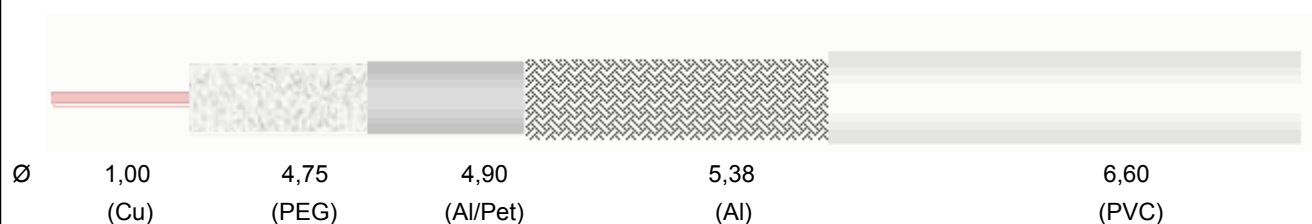
Coaxial Cables

CAVEL®

since 1968

Data Sheet

RP65B



Standards

EN 50117-2-4

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	0,02	(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 under Sheath		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 EN50117-2-4 Class A+ CEI-UNEL 36762 C-4 (U = 400V) * LTE PROTECTION * ss/aa - m

(ss=week, aa=year) (m=meter marking)

Physical data

Weight of copper conductors		7,00	kg/km
Total weight of cable		36,00	kg/km
Minimum bending radius (single/repeated bending)		35/70	mm
Maximum cable pulling strength		150	N
Fire Load	685 MJ/km	190	kWh/km

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
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>26 dB		
2000 - 3000 MHz	>22 dB		

ITALIANA CONDUTTORI s.r.l.

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

Date

29/02/2016

Responsible

Alberto Scardovi

Description

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



Data Sheet

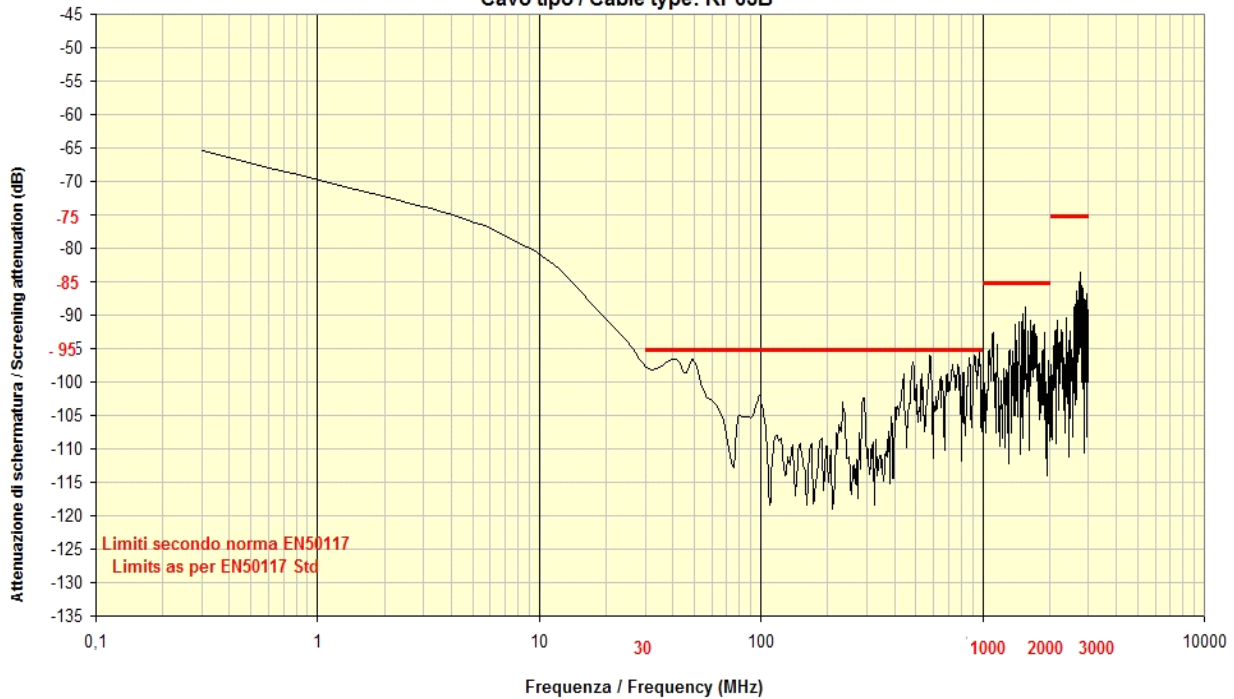
RP65B

Screening Attenuation (SA)	SA-Class A+	Shield Transfer Impedance (Zt)	Zt-Class C
30 - 1000 MHz	>95 dB	5 - 30 MHz	< 20 mOhm/m
1000 - 2000 MHz	>90 dB		
2000 - 3000 MHz	>80 dB		

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



Connectors

- FCEM7.0C** Series F Compression, F Compression, for outdoor installation, nitin-plated brass
- FA703** Serie F Twist-On, F Twist-On, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
- F703** Series F Crimp, F Crimp, for indoor installation, nitin-plated brass - 21,0 mm x 12,0 mm
- FR703** Series F Crimp, F crimp, "Rapid", for indoor installation
- F90** Series F Crimp, F Crimp, for indoor installation
- IECF5.1C** Series IEC (no tool), female, no tool, for indoor installation
- IECM5.1C** Series IEC (no tool), male, no tool, for indoor installation

ITALIANA CONDUTTORI s.r.l.

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

Date

29/02/2016

Responsible

Alberto Scardovi

Description

Indoor drop coaxial cable - 75 Ohm

Indoor installation cable (Screening Class A+)

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

IECF90C	Series IEC (no tool), Ø 5,1 90° female, for indoor installation
IECM90C	Series IEC (no tool), Ø 5,1 90° male, for indoor installation
FCPO5.1C	Series F Compression, Ø 5,1 Push-On, for outdoor installation, nitin-plated brass
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
IECF703	Series IEC Compression, female, no tool, for outdoor installation
BNCC703	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm

ITALIANA CONDUTTORI s.r.l.Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

29/02/2016

Responsible

Alberto Scardovi