

Description

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

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RP705B



Ø	1,13	4,80	4,95	5,43	6,80
	(Cu)	(PEE)	(Al/Pet)	(Al)	(PVC)

Construction data

Inner conductor of plain copper	(Cu)	1,13 ± 0,02 mm
Dielectric of physical foam polyethylene	(PEE)	4,80 ± 0,10 mm
Water repellent sealing (dielectric)	(Jelly1)	
Aluminium/Polyester tape longitudinally overlapped	(Al/Pet)	
Braid of aluminium wires	(Al)	
Braid optical coverage (IEC 96-1)		43 %
Diameter under Sheath		5,43 mm
Outer sheath of Polyvinylchloride - white (PVC) - lead-free	(PVC)	6,80 ± 0,10 mm

Printed each meter by blue ink-jet :

**CAVEL RP705B 17VA±C 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)

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Factor		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		22	Ohm/km
Loop resistance		40	Ohm/km
Insulation voltage of the sheath (spark test)		3	KV
Maximum current (I _{eff})		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)

30 - 1000 MHz	>95 dB
1000 - 2000 MHz	>85 dB
2000 - 3000 MHz	>75 dB

Transfer impedance

5 - 30 MHz < 0,8 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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Responsible

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Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	470	12,50
10	2,00	800	16,60
30	3,10	1000	18,70
50	4,00	1750	25,30
200	8,10	2150	28,90
300	10,00	2400	30,10

Mechanical data

Weight of copper conductors	8,85	kg/km
Total weight of cable	37,84	kg/km
Minimum bending radius (single/repetead bending)	35/70	mm
Maximum cable pulling strength	150	N

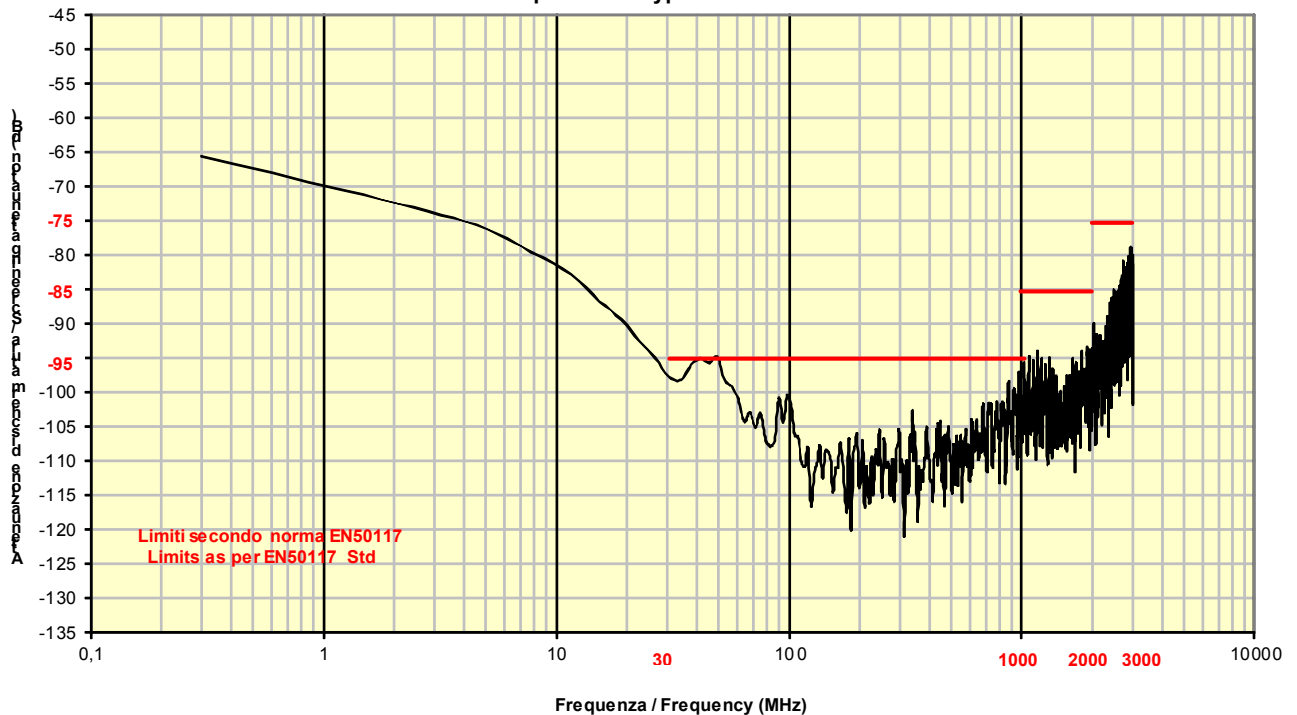
Standards

EN50117-2-4

Attenuazione di schermatura / Screening Attenuation

Cavo classe A+ / A+ Class Cable

Cavo tipo / Cable type: **RP705B**



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**Data Sheet****RP705B****Connector**

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
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	Serie IEC Compression, female, no tool, for outdoor installation
IECM703	Serie IEC Compression, male, for outdoor installation
BNCC703	Series BNC Compression, BNC Compression, for outdoor installation, nitin-plated brass - 35,0 mm x 14,0 mm
IECF5.1C	Series IEC (no tool), female, no tool, for indoor installation
IECM5.1C	Series IEC (no tool), male, no tool, for indoor installation
F90	Series F Crimp, F Crimp, for indoor installation

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