

Description

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

Indoor installation cable (Screening attenuation - Class A+)

**Data Sheet****RP705B**

Ø	1,13	4,75	4,90	5,38	6,80
	(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

Application

DOCSIS 3.1 (Data Over Coax System), Satellite Internet (VSAT)

8K-UHD

Indoor Installation

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 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 6,80 ± 0,10	mm
Printed each meter by blue ink-jet :			

CAVEL RP705B - 17VA_tC MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 SA Class A+ CEI-UNEL 36762 C-4 (U₀ = 400V) ULTRA HD / 8K gggaa(n) m

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	8,85	kg/km
Total weight of cable	38,80	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

Electrical data

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m

ITALIANA CONDUTTORI s.r.l.

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Date

13/03/2026

Responsible

A. Bergaglio

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Velocity Ratio		85 %		
Inner conductor resistance		18		Ohm/km
Outer conductor resistance		22		Ohm/km
Loop resistance		40		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+	Transfer Impedance (Zt)		
30 - 1000 MHz	>95 dB	5 - 30 MHz		< 14 mOhm/m
1000 - 2000 MHz	>90 dB			
2000 - 3000 MHz	>75 dB			
Attenuation (at 20°C)				
Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]	
5	1,30	690	15,50	
10	2,00	1000	18,70	
30	3,10	1750	25,30	
50	4,00	2150	28,90	
200	8,10	2400	30,10	
300	10,00	3000	35,00	
470	12,50			
ITALIANA CONDUTTORI s.r.l. Viale Zanotti 90 I - 27027 Gropello Cairoli Tel +39-382.815150 Fax +39-0382.814212		Date 13/03/2026	Responsible A. Bergaglio	

Description Double-shielded Drop Coaxial Cable, for digital reception - 75 Ohm Indoor installation cable (Screening attenuation - Class A+)		Data Sheet RP705B
Connectors BNCC703 Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm C75-5L Indoor Fittings, 75 Ohm Terminator, for INDOOR installation CCFM75GI Indoor Fittings, 75 Ohm Terminator, for INDOOR installation CS00 Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools - DR01 Adapter, Nut and Washer, for INDOOR installation F703 Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm F81-HQ Adapter, F Adapter FF, for INDOOR installation F90 Series F Crimp, F Crimp, for INDOOR installation FA17 Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm 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 FC703C Series F Compression, F Compression, for OUTDOOR installation 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 FM-FF90 Adapter, FM - FF 90°, 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 Serie 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 IECM703 Serie IEC Compression, male, for OUTDOOR installation LTE790 Indoor Fittings, Filter, for INDOOR installation MM-F703 Adapter, F Adapter MM, for INDOOR installation MM-FR703 Adapter, F Adapter MM, for INDOOR installation SAT2VS Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation TV2VS Indoor Fittings, IEC TV 2-way Splitter, for INDOOR installation		
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