

**Description**

Triple Shielded Coaxial Drop Cable, for digital reception - 75 Ohm  
 Indoor and Outdoor installation cable (Screening attenuation - Class A++)



Data Sheet

**TS713B**



Ø	1,13	4,80	4,97	5,37	5,49	7,00
	(Cu)	(PEG)	(Al/Pet/Al+Sur)	(CuSn)	(Al/Pet)	(LSZH-FR+)

**Class CPR acc. to UE 305/2011 (DoP)**

**B2ca s1a,d1,a1**

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	EN50117-10-2	CEI-UNEL 36762
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**Reaction to Fire**

EN50575

**Application**

DOCSIS 3.1 (Data Over Coax System)

CATV

4K-UHD

Indoor + Outdoor Installation

**Construction data**

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,80 ± 0,10	mm
Aluminum/Polyester/Aluminum+Surlyn tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al+Sur)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		71	%
Outer Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Diameter under Sheath		Ø 5,49	mm
Outer sheath of Thermoplastic material - white - halogen-free, low smoke, flame retardant	(LSZH-FR+)	Ø 7,00 ± 0,15	mm

Printed each meter by blue ink-jet :

**CAVEL TS 713 B MADE IN ITALY 75 Ohm Euroclass B2ca s1a,d1,a1 EN50117-9-2 SA Class A++ CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 4K gggaan m**

(gggaan=batch number m=meter marking)

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

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

Date

13/07/2023

Responsible

A. Bergaglio

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**TS713B****Physical data**

Weight of copper conductors	19,40	kg/km
Total weight of cable	55,10	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +70	°C

**Electrical data**

Characteristic impedance	200 MHz	75 ± 3	Ohm
Capacitance (@1kHz)		52 ± 2	pF/m
Velocity Ratio		85 %	
Inner conductor resistance		18	Ohm/km
Outer conductor resistance		10	Ohm/km
Loop resistance		28	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)	Zt-Class A++
30 - 1000 MHz	> 110 dB	5 - 30 MHz	< 0,9 mOhm/m
1000 - 2000 MHz	> 100 dB		
2000 - 3000 MHz	> 85 dB		

## Attenuation (at 20°C )

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,50	690	16,20
10	2,20	1000	18,60
30	3,30	1750	25,30
50	4,20	2150	28,50
200	8,10	2400	29,90
300	10,00	3000	34,00
470	12,50		

**Connectors**

<b>CS03J</b>	Stripper for Drop Cables, just for RP and TS Cables, Tools -
<b>FC7.0QM</b>	Series F Compression, Quick Mount, for OUTDOOR installation
<b>FCEM7.0C</b>	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass

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