

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

Reaction to Fire

EN50575

Application

DOCSIS 3.1 (Data Over Coax System)

CATV

8K-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 / 8K gggaan m

(gggaan=batch number m=meter marking)

ITALIANA CONDUTTORI s.r.l.

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Date

09/03/2026

Responsible

A. Bergaglio

Description				Data Sheet
Triple Shielded Coaxial Drop Cable, for digital reception - 75 Ohm				TS713B
Indoor and Outdoor installation cable (Screening attenuation - Class A++)				
Physical data				
Weight of copper conductors		19,40	kg/km	
Total weight of cable		55,10	kg/km	
Minimum bending radius (single/repetead 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	> 105 dB	5 - 30 MHz	< 0,9 mOhm/m	
1000 - 2000 MHz	> 95 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				
CS03J	Stripper for Drop Cables, just for RP and TS Cables, Tools -			
FC7.0QM	Series F Compression, Quick Mount, for OUTDOOR installation			
FCEM7.0C	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass			
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