

Description

Triple Shielded Coaxial Drop Cable, for digital reception - 75 Ohm

Indoor and Outdoor installation cable (Screening attenuation - Class A++)

**Data Sheet****TS613B**

Ø	1,00	4,60	4,77	5,17	5,29	6,90
	(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 1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,60 ± 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)		73	%
Outer Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Diameter under Sheath		Ø 5,29	mm
Outer sheath of Thermoplastic material - white - halogen-free, low smoke, flame retardant	(LSZH-FR+)	Ø 6,90 ± 0,15	mm

Printed each meter by blue ink-jet :

CAVEL TS 613 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 gggaa(n) m

(gggaan=batch number m=meter marking)

ITALIANA CONDUTTORI s.r.l.

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Date**09/03/2026****Responsible****A. Bergaglio**

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**Data Sheet****TS613B****Physical data**

Weight of copper conductors	17,40	kg/km
Total weight of cable	54,90	kg/km
Minimum bending radius (single/repeated bending)	35/70	mm
Maximum cable pulling strength	120	N
Minimum installation temperature	-5	°C
Operating temperature	-25 / +70	°C

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		10,40	Ohm/km
Loop resistance		32,90	Ohm/km
Sheat Insulation voltage (spark test)		3	kV
Maximum current (I _{eff})		6	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	1,70	690	16,70
10	2,30	1000	20,10
30	3,50	1750	27,30
50	4,40	2150	30,60
200	8,60	2400	32,60
300	10,70	3000	37,10
470	13,40		

Connectors

CS03J	Stripper for Drop Cables, just for RP and TS Cables, Tools -
FC02	Other Tools, Scissor multi purpose CAVEL, 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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