Description

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

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

Coaxial Cables CAVEL since 1968

Data Sheet

TS713C

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)

Cca 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

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 C MADE IN ITALY 75 Ohm Euroclass Cca 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.

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Date 20/04/2022

Responsible A. Bergaglio

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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
Stripping force between braid and sheath over 200 mm	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++
30 - 1000 MHz	> 108 dB
1000 - 2000 MHz	> 95 dB
2000 - 3000 MHz	> 85 dB

Transfer Impedance (Zt)	Zt-Class A++
5 - 30 MHz	< 0,9 mOhm/m

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	862	16,00
10	1,90	1000	17,30
30	3,00	1750	23,40
50	3,80	2150	26,10
200	7,50	2400	27,80
300	9,30	3000	31,50
470	11,70		

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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