Description

Ø

Triple shielded coaxial cable for Broadband Distribution Networks 75 Ohm Triple shielded cable (Screening Attenuation - Class A++)



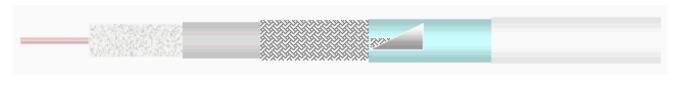
5,49

(Al/Pet)

6,80

(PVC)

TS61L



5,37

(CuSn)

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

Eca

4,80

(PEG)

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

4,97

(Al/Pet/Al+Sur)

Reaction to Fire

1,00

(Cu)

EN50575

Application

DOCSIS 3.1 (Data Over Coax System)

4K-UHD

Indoor Installation

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	\emptyset 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)		45	%
Outer Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Diameter under Sheath		Ø 5,49	mm
Outer sheath of Polyvinylchloride - white - lead-free	(PVC)	\emptyset 6,80 ± 0,10	mm
Printed each meter by blue ink-jet :			

CAVEL TS 61 L MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 SA Class A++ CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 4K gggaa(n) m

(ggg=day)(aa=year)(n=batch) (m=meter marking)

Phy	/e	ra	Ы	ata.
	13	Ca	u	ata

Weight of copper conductors	12,58	kg/km
Total weight of cable	43,86	kg/km
Minimum bending radius (single/repetead bending)	35/70	mm
Maximum cable pulling strength	120	N
Minimum installation temperature	-5	°C
Operating temperature	-20 / +70	°C

Electrical data

Characteristic impedance 200 MHz 75 ± 3 Ohm

ITALIANA	COND	UTTOR	l s.r.l.
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Viale Zanotti 90 I - 27027 Gropello Cairoli Tel +39-382.815150 Fax +39-0382.814212 Date

Responsible

30/08/2021

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Data Sheet

TS61L

Capacitance (@1kHz)	54 ± 2	pF/m
Velocity Ratio	82 %	
Inner conductor resistance	22,50	Ohm/km
Outer conductor resistance	14	Ohm/km
Loop resistance	36,50	Ohm/km
Sheat Insulation voltage (spark test)	3	kV
Maximum current (leff)	6	Α

Structural return loss (SRL)

2000 - 3000 MHz

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)

>85 dB

30 - 1000 MHz >105 dB 1000 - 2000 MHz >95 dB 5 - 30 MHz < 6 mOhm/m

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	2,00	862	18,87
10	2,29	1000	20,44
30	3,47	1350	24,03
50	4,60	1750	27,76
200	8,60	2150	31,09
300	10,78	2400	32,37
470	13,68	3000	37,31
800	18.17		

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Networks 75 Ohm

Triple shielded cable (Screening Attenuation - Class A++)



TS61L

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
CS03J Stripper for Drop Cables, just for RP and TS Cables, 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

FA17 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

IECF5.1CSeries IEC (toolless), female, no tool, for INDOOR installationIECF90CSeries IEC (toolless), Ø 5,1 90° female, for INDOOR installationIECFC703Series IEC Compression, female, no tool, for OUTDOOR installationIECM5.1CSeries IEC (toolless), male, no tool, for INDOOR installation

IECM5.1CSeries IEC (toolless), male, no tool, for INDOOR installationIECM90CSeries IEC (toolless), Ø 5,1 90° male, for INDOOR installationIECMC703Serie 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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