

Description

Double Shielded Coaxial Drop Cable, for Wide Band - 75 Ohm
 Coaxial Drop Cable for Wide Band - 75 Ohm
 Double Sheath Cable

**Data Sheet****SAT703-2G**

Ø	1,13	4,80	4,90	5,30	6,60	7,60
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PVC)	(PE)

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

Fca

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

EN50117-10-2 CEI-UNEL 36762

Reaction to Fire

EN50575

Application

Exterior and Underground 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 tape longitudinally overlapped	(Al/Pet/Al)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		45	%
Diameter over Braid		Ø 5,30	mm
Inner sheath of Polyvinylchloride - white - lead-free	(PVC)	Ø 6,60 ± 0,10	mm
Outer sheath of Polyethylene - black	(PE)	Ø 7,60 ± 0,10	mm
Printed each meter by yellow ink-jet :			

CAVEL SAT703 2G MADE IN ITALY 75 Ohm Euroclass Fca EN50117-10-2 CEI-UNEL 36762 C-4 (U0 = 400V)
 gggaa(n) m

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

Physical data

Weight of copper conductors	14,45	kg/km
Total weight of cable	49,90	kg/km
Minimum bending radius (single/repeated bending)	40/80	mm
Maximum cable pulling strength	150	N
Minimum installation temperature	-5	°C
Operating temperature	-40 / +80	°C

Electrical data**ITALIANA CONDUTTORI s.r.l.**

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

Date

10/06/2024

Responsible

A. Bergaglio

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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		22	Ohm/km
Loop resistance		40	Ohm/km
Sheat Insulation voltage (spark test)		8	kV
Maximum current (Ieff)		8	A
Structural return loss (SRL)			
5 - 470 MHz	>30 dB		
470 - 1000 MHz	>28 dB		
1000 - 2000 MHz	>25 Db		
2000 - 3000 MHz	>22 dB		
Screening Attenuation (SA)	SA-Class B	Transfer Impedance (Zt)	
30 - 1000 MHz	>80 dB	5 - 30 MHz	< 23 mOhm/m
1000 - 2000 MHz	>80 dB		
2000 - 3000 MHz	>65 dB		

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,60	690	15,10
10	2,10	1000	18,50
30	3,20	1750	24,90
50	4,10	2150	27,90
200	8,00	2400	29,60
300	9,80	3000	33,40
470	12,40		

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**Data Sheet****SAT703-2G****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
DR01	Adapter, Nut and Washer, for INDOOR installation
F125A	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 24,0 mm x 12,0 mm
F81-HQ	Adapter, F Adapter FF, for INDOOR installation
FA125	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm
FC02	Other Tools, Scissor multi purpose CAVEL, Tools -
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
FM-FF90	Adapter, FM - FF 90°, for INDOOR installation
IECF90C	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
IECF703	Serie IEC Compression, female, no tool, for OUTDOOR installation
IECM90C	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
IECMC703	Serie 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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