

Description

Double Shielded Coaxial Drop Cable, for Wide Band - 75 Ohm
 Coaxial Drop Cable for Wide Band - 75 Ohm
 Indoor / Outdoor installation cable

Coaxial Cables

CAVEL®

since 1968

Data Sheet

SAT602

Ø	1,00	4,30	4,40	4,80	6,00
	(Cu)	(PEG)	(Al/Pet/Al)	(CuSn)	(PVC)

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

Eca

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

Reaction to Fire

EN50575

Application

Indoor Installation

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,30 ± 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)		40	%
Diameter over Braid		Ø 4,80	mm
Outer sheath of Polyvinylchloride - white - lead-free	(PVC)	Ø 6,00 ± 0,10	mm
Printed each meter by blue ink-jet :			

CAVEL SAT 602 MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 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	11,43	kg/km
Total weight of cable	32,39	kg/km
Minimum bending radius (single/repetead bending)	30/60	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
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ITALIANA CONDUTTORI s.r.l.

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

Date

14/06/2023

Responsible

A. Bergaglio

Description Double Shielded Coaxial Drop Cable, for Wide Band - 75 Ohm Coaxial Drop Cable for Wide Band - 75 Ohm Indoor / Outdoor installation cable		 Data Sheet SAT602																																	
Capacitance (@1kHz)		52 ± 2	pF/m																																
Velocity Ratio		85 %																																	
Inner conductor resistance		22,50	Ohm/km																																
Outer conductor resistance		26	Ohm/km																																
Loop resistance		48,50	Ohm/km																																
Sheat Insulation voltage (spark test)		2,50	kV																																
Maximum current (Ieff)		6	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	>75 dB	5 - 30 MHz	< 29 mOhm/m																																
1000 - 2000 MHz	>90 dB																																		
2000 - 3000 MHz	>75 dB																																		
Attenuation (at 20°C) <table> <tr> <th>Frequency [MHz]</th><th>Attenuation [dB/100m]</th><th>Frequency [MHz]</th><th>Attenuation [dB/100m]</th></tr> <tr><td>5</td><td>1,80</td><td>690</td><td>17,00</td></tr> <tr><td>10</td><td>2,30</td><td>1000</td><td>20,60</td></tr> <tr><td>30</td><td>3,70</td><td>1750</td><td>27,80</td></tr> <tr><td>50</td><td>4,60</td><td>2150</td><td>31,00</td></tr> <tr><td>200</td><td>8,90</td><td>2400</td><td>32,90</td></tr> <tr><td>300</td><td>11,00</td><td>3000</td><td>37,10</td></tr> <tr><td>470</td><td>13,90</td><td></td><td></td></tr> </table>				Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]	5	1,80	690	17,00	10	2,30	1000	20,60	30	3,70	1750	27,80	50	4,60	2150	31,00	200	8,90	2400	32,90	300	11,00	3000	37,10	470	13,90		
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Connectors																																			
C75-5L	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation																																		
CCFM75GI	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation																																		
CS00	Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools -																																		
DR01	Adapter, Nut and Washer, for INDOOR installation																																		
F81-HQ	Adapter, F Adapter FF, for INDOOR installation																																		
FA602	Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm																																		
FCPO4.7C	Series F Compression, Ø 4,7 Push-On, for OUTDOOR installation, nitin-plated brass																																		
FM-FF90	Adapter, FM - FF 90°, for INDOOR 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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