

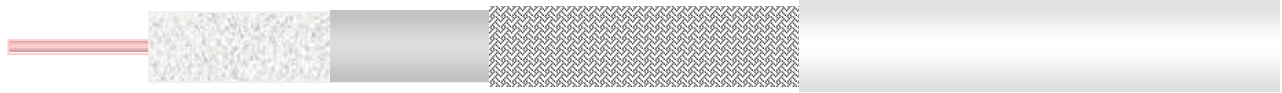
Description

Miniature indoor coaxial cable - 75 Ohm

For short distances only



Data Sheet

CW41S

Ø	0,41	1,90	2,07	2,47	3,60
	(FeCu)	(PEG)	(Al/Pet/Al+Sur)	(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 copper clad steel	(FeCu)	Ø 0,41 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 1,90 ± 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)		70	%
Diameter over Braid		Ø 2,47	mm
Outer sheath of Polyvinylchloride - white - lead-free	(PVC)	Ø 3,60 ± 0,10	mm
Printed each meter by blue ink-jet :			

**CAVEL CW 41 S MADE IN ITALY 75 Ohm Euroclass Eca EN50117-9-2 SA CEI-UNEL 36762 C-4 (U0 = 400V)
Class A gggaa(n) m**

(gggaan=batch number m=meter marking)

Physical data

Weight of copper conductors	4,29	kg/km
Total weight of cable	15,00	kg/km
Minimum bending radius (single/repeated bending)	15/30	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 CONDUTTORI s.r.l.

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

Date

29/09/2022

Responsible

A. Bergaglio

Description

Miniature indoor coaxial cable - 75 Ohm

For short distances only



Data Sheet

CW41S

Capacitance (@1kHz)	55 ± 3	pF/m
Velocity Ratio	82 %	
Inner conductor resistance	310	Ohm/km
Outer conductor resistance	30	Ohm/km
Loop resistance	340	Ohm/km
Sheat Insulation voltage (spark test)	2,50	kV
Structural return loss (SRL)		
5 - 470 MHz	>25 dB	
470 - 1000 MHz	>21 dB	
1000 - 2000 MHz	>20 dB	
2000 - 3000 MHz	>18 dB	

Screening Attenuation (SA)	SA-Class A	Transfer Impedance (Zt)	
30 - 1000 MHz	>85 dB	5 - 30 MHz	< 10 mOhm/m
1000 - 2000 MHz	>85 dB		
2000 - 3000 MHz	>75 dB		

Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	3,80	690	41,00
10	5,40	1000	49,00
30	8,60	1750	66,00
50	11,00	2150	74,60
200	21,20	2400	78,80
300	26,20	3000	88,90
470	33,00		

Connectors

BNCC40	Series BNC Compression, BNC Compression, for OUTDOOR installation
BNCCEM3C	Series BNC Compression, BNC Compression, for OUTDOOR installation
C75-5L	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
CCFM75GI	Indoor Fittings, 75 Ohm Terminator, for INDOOR installation
CS41	Stripper for Drop Cables, just for CW41S, Tools -
DR01	Adapter, Nut and Washer, for INDOOR installation
F41	Series F Crimp, for CW41S, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
F81-HQ	Adapter, F Adapter FF, for INDOOR installation
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

ITALIANA CONDUTTORI s.r.l.

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

Date

29/09/2022

Responsible

A. Bergaglio