

Description

Outdoor drop coaxial cable - 75 Ohm

Class A+

Coaxial Cables

CAVEL®

since 1968

Data Sheet

RP913PE



Ø	1,13	4,75	4,90	5,30	6,60
	(Cu)	(PEG)	(Al/Pet)	(CuSn)	(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

EN 50117-2-5

Reaction to Fire

EN50575

Application

DOCSIS 3.1 (Data Over Coax System)

Construction data

Inner conductor of plain copper	(Cu)	Ø 1,13 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	Ø 4,75 ± 0,10	mm
Outer Aluminum/Polyester tape longitudinally overlapped	(Al/Pet)		
Water repellent sealing (dielectric)	(Jelly1)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		72	%
Diameter over Braid		Ø 5,30	mm
Outer sheath of Polyethylene - black - with carbonblack	(PE)	Ø 6,60 ± 0,10	mm

Printed each meter by blue ink-jet :

CAVEL RP913PE MADE IN ITALY 75 Ohm Euroclass Fca EN50117-2-5 Class A+ CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 4K ggaan m

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

Physical data

Weight of copper conductors	19,07	kg/km
Total weight of cable	41,00	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

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		10,70	Ohm/km

ITALIANA CONDUTTORI s.r.l.

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

Date

12/05/2017

Responsible

Alberto Scardovi

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Loop resistance		28,70	Ohm/km
Sheat Insulation voltage (spark test)		5	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++	Transfer Impedance (Zt)	Zt-Class A+
30 - 1000 MHz	>112 dB	5 - 30 MHz	< 2,5 mOhm/m
1000 - 2000 MHz	>104 dB		
2000 - 3000 MHz	>91 dB		

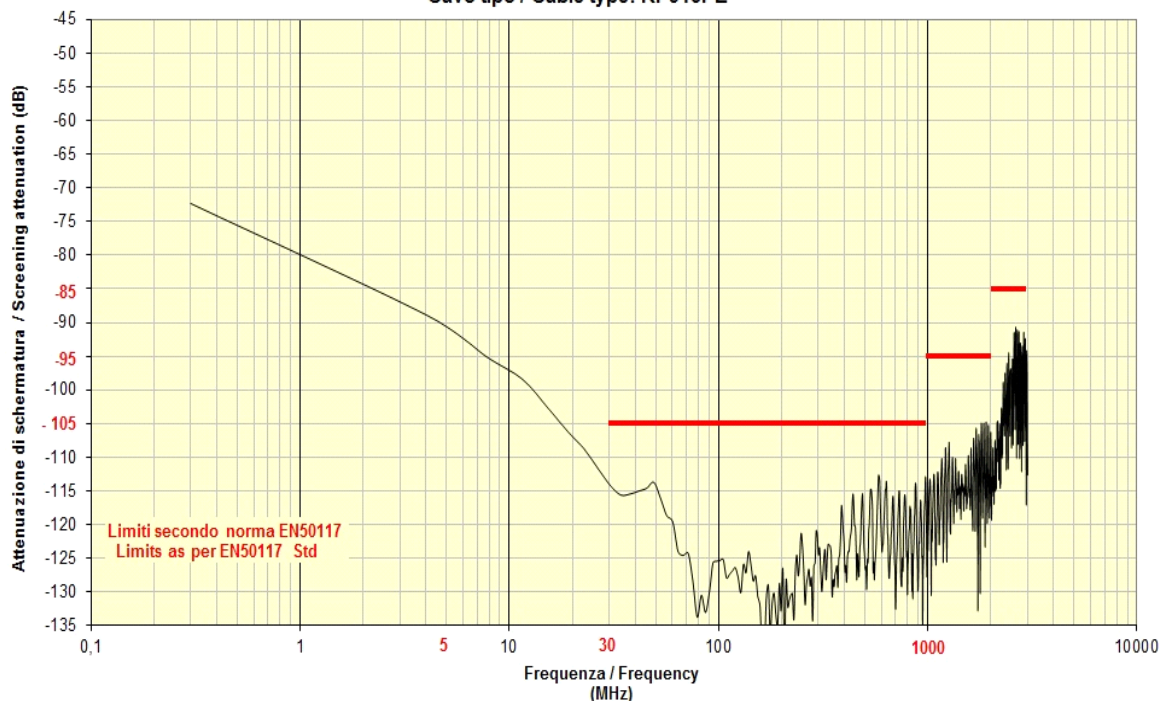
Attenuation (at 20°C)

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	1,40	862	17,30
10	1,90	1000	18,70
30	3,00	1750	25,70
50	4,00	2150	28,80
200	8,10	2400	30,60
300	9,90	3000	34,10
470	12,60		

Attenuazione di schermatura / Screening Attenuation

Cavo classe A++ / A++ Class cable

Cavo tipo / Cable type: RP913PE



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**Data Sheet****RP913PE****Connectors**

BNCC5.1C	Series BNC Compression, BNC Compression, for OUTDOOR installation
BNCC703	Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm
F703	Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm
FA703	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
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
IECF5.1C	Series IEC (toolless), female, no tool, for INDOOR installation
IECF703	Series IEC Compression, female, no tool, for OUTDOOR installation
IECM5.1C	Series IEC (toolless), male, no tool, for INDOOR installation
IECM703	Series IEC Compression, male, for OUTDOOR installation
IECM90C	Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation
IECF90C	Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation
FC703	Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm

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