

Description

Double-shielded Drop Coaxial Cable, for digital reception - 75 Ohm

Outdoor and Underground installation cable (Screening attenuation - Class A++)

**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

EN50117-10-2

CEI-UNEL 36762

Reaction to Fire

EN50575

Application

DOCSIS 3.1 (Data Over Coax System)

CATV

4K-UHD

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 4,75 ± 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 (RAL 9011) - 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 SA Class A++ EN50117-10-2 CEI-UNEL 36762 C-4 (U0 = 400V) ULTRA HD / 4K gggaa(n) m

(gggaan=batch number m=meter marking)

ITALIANA CONDUTTORI s.r.l.

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

Date

11/07/2023

Responsible

A. Bergaglio

Description

Double-shielded Drop Coaxial Cable, for digital reception - 75 Ohm
 Outdoor and Underground installation cable (Screening attenuation - Class A++)



Data Sheet

RP913PE

Physical data

| | | |
|--------------------------------------------------|-----------|-------|
| Weight of copper conductors | 19,07 | kg/km |
| Total weight of cable | 39,10 | kg/km |
| Minimum bending radius (single/repeated bending) | 35/70 | 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 |
| Loop resistance | | 28,70 | Ohm/km |
| Sheat Insulation voltage (spark test) | | 3 | 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) | |
| 30 - 1000 MHz | >110 dB | 5 - 30 MHz | < 2,5 mOhm/m |
| 1000 - 2000 MHz | >105 dB | | |
| 2000 - 3000 MHz | >90 dB | | |

Attenuation (at 20°C)

| Frequency [MHz] | Attenuation [dB/100m] | Frequency [MHz] | Attenuation [dB/100m] |
|-----------------|-----------------------|-----------------|-----------------------|
| 5 | 1,40 | 690 | 14,90 |
| 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 | | |

ITALIANA CONDUTTORI s.r.l.

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

Date

11/07/2023

Responsible

A. Bergaglio

Description

Double-shielded Drop Coaxial Cable, for digital reception - 75 Ohm

Outdoor and Underground installation cable (Screening attenuation - Class A++)



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 |
| 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 |
| 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 |
| 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 |
| 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 |
| IECF5.1C | Series IEC (toolless), female, no tool, for INDOOR installation |
| IECF90C | Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation |
| IECF703 | Series IEC Compression, female, no tool, for OUTDOOR installation |
| IECM5.1C | Series IEC (toolless), male, no tool, for INDOOR installation |
| IECM90C | Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation |
| IECM703 | Series 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 |

ITALIANA CONDUTTORI s.r.l.

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

Date

11/07/2023

Responsible

A. Bergaglio