

**Description**

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



Data Sheet

**17PATC**

|   |      |       |             |        |      |
|---|------|-------|-------------|--------|------|
| Ø | 1,13 | 4,80  |             |        | 6,70 |
|   | (Cu) | (PEG) | (Al/Pet/Al) | (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**

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 |
| Outer sheath of Polyethylene - black (RAL 9011) - with carbonblack | (PE)        | Ø 6,70 ± 0,10 | mm |
| Printed each meter by yellow ink-jet :                             |             |               |    |

**CAVEL 17PATC/PH MADE IN ITALY 75 Ohm Euroclass Fca EN50117-10-2 CEI-UNEL 36762 C-4 (U0 = 400V)**  
 gggaa(n) m

(gggaan=batch number m=meter marking)

**Physical data**

|                                                  |           |       |
|--------------------------------------------------|-----------|-------|
| Weight of copper conductors                      | 14,45     | kg/km |
| Total weight of cable                            | 36,02     | 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    |
| Velocity Ratio             |         | 85 %   |        |
| Inner conductor resistance |         | 18     | Ohm/km |

**ITALIANA CONDUTTORI s.r.l.**

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Date

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Responsible

A. Bergaglio

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|                                       |            |                                      |           |
|---------------------------------------|------------|--------------------------------------|-----------|
| Outer conductor resistance            |            | 22                                   | Ohm/km    |
| Loop resistance                       |            | 40                                   | Ohm/km    |
| Sheat Insulation voltage (spark test) |            | 3                                    | kV        |
| Maximum current (I <sub>eff</sub> )   |            | 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 A | Transfer Impedance (Z <sub>t</sub> ) |           |
| 30 - 1000 MHz                         | >85 dB     | 5 - 30 MHz                           | < 27 mΩ/m |
| 1000 - 2000 MHz                       | >80 dB     |                                      |           |
| 2000 - 3000 MHz                       | >70 dB     |                                      |           |

**Attenuation (at 20°C )**

| Frequency<br>[MHz] | Attenuation<br>[dB/100m] | Frequency<br>[MHz] | Attenuation<br>[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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**17PATC****Connectors**

|                 |                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------|
| <b>BNCC703</b>  | Series BNC Compression, BNC Compression, for OUTDOOR installation, nitin-plated brass - 35,0 mm x 14,0 mm |
| <b>C75-5L</b>   | Indoor Fittings, 75 Ohm Terminator, for INDOOR installation                                               |
| <b>CCFM75GI</b> | Indoor Fittings, 75 Ohm Terminator, for INDOOR installation                                               |
| <b>CS00</b>     | Stripper for Drop Cables, Standard cables from 5 to 7 mm, Tools -                                         |
| <b>CS17VP</b>   | Stripper for Drop Cables, for 17PATC, Tools -                                                             |
| <b>DR01</b>     | Adapter, Nut and Washer, for INDOOR installation                                                          |
| <b>F703</b>     | Series F Crimp, F Crimp, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm                  |
| <b>F81-HQ</b>   | Adapter, F Adapter FF, for INDOOR installation                                                            |
| <b>F90</b>      | Series F Crimp, F Crimp, for INDOOR installation                                                          |
| <b>FA17</b>     | Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm            |
| <b>FA703</b>    | Series F Twist-On, F Twist-On, for INDOOR installation, nitin-plated brass - 21,0 mm x 12,0 mm            |
| <b>FC7.0QM</b>  | Series F Compression, Quick Mount, for OUTDOOR installation                                               |
| <b>FC703</b>    | Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass - 30,0 mm x 12,0 mm     |
| <b>FC703C</b>   | Series F Compression, F Compression, for OUTDOOR installation                                             |
| <b>FCEM7.0C</b> | Series F Compression, F Compression, for OUTDOOR installation, nitin-plated brass                         |
| <b>FCPO5.1C</b> | Series F Compression, Ø 5,1 Push-On, for OUTDOOR installation, nitin-plated brass                         |
| <b>FM-FF90</b>  | Adapter, FM - FF 90°, for INDOOR installation                                                             |
| <b>FR703</b>    | Series F Crimp, F crimp, "Rapid", for INDOOR installation                                                 |
| <b>IECF5.1C</b> | Series IEC (toolless), female, no tool, for INDOOR installation                                           |
| <b>IECF90C</b>  | Series IEC (toolless), Ø 5,1 90° female, for INDOOR installation                                          |
| <b>IECFC703</b> | Serie IEC Compression, female, no tool, for OUTDOOR installation                                          |
| <b>IECM5.1C</b> | Series IEC (toolless), male, no tool, for INDOOR installation                                             |
| <b>IECM90C</b>  | Series IEC (toolless), Ø 5,1 90° male, for INDOOR installation                                            |
| <b>IECMC703</b> | Serie IEC Compression, male, for OUTDOOR installation                                                     |
| <b>LTE790</b>   | Indoor Fittings, Filter, for INDOOR installation                                                          |
| <b>MM-F703</b>  | Adapter, F Adapter MM, for INDOOR installation                                                            |
| <b>MM-FR703</b> | Adapter, F Adapter MM, for INDOOR installation                                                            |
| <b>SAT2VS</b>   | Indoor Fittings, F SAT 2-way Splitter, for INDOOR installation                                            |
| <b>TV2VS</b>    | Indoor Fittings, IEC TV 2-way Splitter, for INDOOR installation                                           |

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