



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SAT 46836 PRO

DIGITAL DROP CABLE

RECOMMENDED APPLICATION :  
MEDIUM AND BIG INSTALLATIONS

Class CPR **E<sub>ca</sub>**

CATEGORY

**A+**  
**EN 50117**

CU                      PEG                      LTA                      ALL                      PVC2  
ø 1,00 mm      ø 4,60 mm      ø 4,70 mm      ø 5,35 mm      ø 6,70 mm



|| A || B || C || D || E ||



## MECHANICAL DATA

|          |                        |   |       |                  |
|----------|------------------------|---|-------|------------------|
| <b>A</b> | <b>INNER CONDUCTOR</b> | PLAIN COPPER  | ..... | ø 1,00 mm        |
| <b>B</b> | <b>DIELECTRIC</b>      | GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE                  | ..... | ø 4,60 ± 0,10 mm |
| <b>C</b> | <b>SHIELD</b>          | ALUMINIUM + POLYESTER + ALUMINIUM TAPE                    | ..... | h. 18 mm         |
|          | - COVERAGE             | .....   | ..... | 100%             |
| <b>D</b> | <b>BRAID</b>           | ALUMINIUM   | ..... | 112 x 0,16 mm    |
|          | - COVERAGE             | .....   | ..... | 83%              |
| <b>E</b> | <b>SHEATH</b>          | NON-CONTAMINATING POLYVINYL-CHLORIDE                      | ..... | ø 6,70 ± 0,10 mm |
|          | - COLOUR               | WHITE - RAL 9003  |       |                  |
|          | - PRINTING             | ## METER ## SIVA SAT 46836 PRO 75 Ohm CLASSE A+ LTE READY |       |                  |
|          |                        | MADE IN ITALY CE 57 WEEK/YEAR EN 50575:2014 + A1:2016 Eca |       |                  |

### MINIMUM BENDING RADIUS ( mm )

- SINGLE                      ø EXTERNAL X 5
- REPEATED                      ø EXTERNAL X 10

### CABLE WEIGHT ( Kg/Km )

- COPPER                      7,0
- ALUMINIUM                      6,5
- PLASTIC                      25,3
- TOTAL                      40,5

TEMPERATURE RANGE                      -30 °C / +70 °C

## ELECTRICAL PROPERTIES at 20°C

|                       |            |                   |             |
|-----------------------|------------|-------------------|-------------|
| <b>IMPEDANCE</b>      | 75 ± 3 Ohm | <b>RESISTANCE</b> |             |
|                       |            | - INNER CONDUCT.  | 22,5 Ohm/Km |
| <b>CAPACITANCE</b>    | 53 pF/m    | - BRAID           | 11,0 Ohm/Km |
| <b>VELOCITY RATIO</b> | 84%        | <b>TENSION</b>    |             |
|                       |            | - SHEATH          | 3,5 kV      |
|                       |            | - SPARK TESTING   |             |

### ATTENUATIONS dB/100 m.

|         |      |          |      |          |      |
|---------|------|----------|------|----------|------|
| 5 MHz   | 1,5  | 470 MHz  | 13,5 | 1500 MHz | 25,6 |
| 10 MHz  | 2,0  | 600 MHz  | 15,4 | 1750 MHz | 27,4 |
| 50 MHz  | 4,2  | 800 MHz  | 17,9 | 2150 MHz | 31,0 |
| 100 MHz | 6,2  | 862 MHz  | 18,5 | 2400 MHz | 33,1 |
| 200 MHz | 8,7  | 1000 MHz | 20,5 | 2750 MHz | 36,1 |
| 300 MHz | 10,4 | 1350 MHz | 23,8 | 3000 MHz | 38,2 |

### STRUCTURAL RETURN LOSS dB

|             |     |     |
|-------------|-----|-----|
| 30 ÷ 470    | MHz | >29 |
| 470 ÷ 862   | MHz | >27 |
| 862 ÷ 2150  | MHz | >24 |
| 2150 ÷ 3000 | MHz | >21 |

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

|                           |             |     |     |        |
|---------------------------|-------------|-----|-----|--------|
| <b>TRANSFER IMPEDANCE</b> | 5 ÷ 30      | MHz | <5  | mOhm/m |
|                           | 30 ÷ 1000   | MHz | >95 | dB     |
|                           | 1000 ÷ 2000 | MHz | >90 | dB     |
|                           | 2000 ÷ 3000 | MHz | >80 | dB     |

The producer reserves himself to make modification on the item without any notice.