



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 46576 A

DIGITAL DROP CABLE

RECOMMENDED APPLICATION :
MEDIUM AND BIG INSTALLATIONS

Class CPR **E_{ca}**

CATEGORY

A
EN 50117

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



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



MECHANICAL DATA

| | | | | |
|----------|------------------------|---|-------|------------------|
| A | INNER CONDUCTOR | COPPERWELD | | ø 1,00 mm |
| B | DIELECTRIC | GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE | | ø 4,60 ± 0,10 mm |
| C | SHIELD | ALUMINIUM + POLYESTER + ALUMINIUM TAPE | | h. 18 mm |
| | | - COVERAGE | | 100% |
| D | BRAID | ALUMINIUM | | 64 x 0,16 mm |
| | | - COVERAGE | | 57% |
| E | SHEATH | NON-CONTAMINATING POLYVINYL-CHLORIDE | | ø 6,60 ± 0,10 mm |
| | - COLOUR | WHITE - RAL 9003 | | |
| | - PRINTING | ## METER ## SIVA SAT 46576 A 75 Ohm CLASSE A LTE READY | | |
| | | MADE IN ITALY CE 61 SETT/ANNO EN 50575:2014 + A1:2016 Eca | | |

MINIMUM BENDING RADIUS (mm)

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

CABLE WEIGHT (Kg/Km)

- CW 6,7
- ALUMINIUM 3,9
- PLASTIC 23,7
- TOTAL 36,0

TEMPERATURE RANGE -30 °C / +70 °C

ELECTRICAL PROPERTIES at 20°C

| | | | |
|-----------------------|------------|-------------------|-------------|
| IMPEDANCE | 75 ± 3 Ohm | RESISTANCE | |
| | | - INNER CONDUCT. | 90,0 Ohm/Km |
| CAPACITANCE | 53 pF/m | - BRAID | 16,4 Ohm/Km |
| VELOCITY RATIO | 84% | TENSION | |
| | | - SHEATH | 3,0 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

| | | | | |
|---------------------------|-------------|-----|-----|--------|
| TRANSFER IMPEDANCE | 5 ÷ 30 | MHz | <10 | mOhm/m |
| | 30 ÷ 1000 | MHz | >90 | dB |
| | 1000 ÷ 2000 | MHz | >75 | dB |
| | 2000 ÷ 3000 | MHz | >65 | dB |

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