



FABBRICA CAVI - ANTENNE - ACCESSORI TV

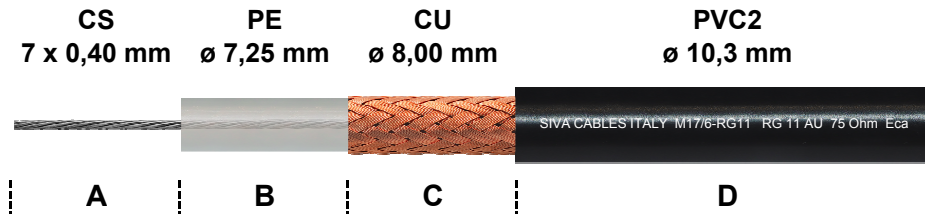


RG 11 AU

75 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**



MECHANICAL DATA

| | | | | |
|----------|------------------------|--|-------|-------------------------|
| A | INNER CONDUCTOR | TINNED COPPER | | 7 x 0,40 mm |
| B | DIELECTRIC | LOW DENSITY POLYETHYLENE | | ø 7,25 ± 0,18 mm |
| C | BRAID | PLAIN COPPER | | 192 x 0,18 mm |
| | | - COVERAGE | | 97% |
| D | SHEATH | NON-CONTAMINATING POLYVINYL-CHLORIDE | | ø 10,3 ± 0,18 mm |
| | - COLOUR | BLACK - RAL 9004 | | |
| | - PRINTING | M17/6-RG11 MIL-C-17F RG 11 AU 75 Ohm | | |
| | | MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca | | |

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 57,0
- **PLASTIC** 88,2
- **TOTAL** 145,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 67 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCT.** 20,5 Ohm/Km
- **BRAID** 4,4 Ohm/Km

TENSION

- **SHEATH SPARK TESTING** 5,5 kV

ATTENUATIONS dB/100 m.

| | | dB | W |
|-----|-----|-----------|----------|
| 5 | MHz | 1,2 | |
| 10 | MHz | 1,7 | |
| 50 | MHz | 4,2 | |
| 100 | MHz | 6,2 | |
| 200 | MHz | 9,3 | |
| 400 | MHz | 13,8 | |

MAX. POWER RATING W

| | | dB | W |
|------|-----|-----------|----------|
| 500 | MHz | 15,5 | |
| 600 | MHz | 17,1 | |
| 800 | MHz | 20,5 | |
| 1000 | MHz | 23,4 | |
| 1350 | MHz | 30,2 | |
| 1500 | MHz | 32,5 | |

| | | dB | W |
|------|-----|-----------|----------|
| 1750 | MHz | 36,6 | |
| 2150 | MHz | 42,5 | |
| 2250 | MHz | 43,1 | |
| 2500 | MHz | 45,8 | |
| 2750 | MHz | 47,6 | |
| 3000 | MHz | 50,1 | |

STRUCTURAL RETURN LOSS dB

| | | | | | |
|------------|-----|-----|---------------|-----|-----|
| 30 ÷ 300 | MHz | >30 | 1000 ÷ 2000 | MHz | >22 |
| 300 ÷ 600 | MHz | >27 | 2000 ÷ 3000 | MHz | >20 |
| 600 ÷ 1000 | MHz | >25 | ÷ | MHz | - |

SCREENING EFFECTIVENESS dB

| | | |
|-------------|-----|-----|
| 100 ÷ 900 | MHz | >57 |
| 900 ÷ 2000 | MHz | - |
| 2000 ÷ 3000 | MHz | - |

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