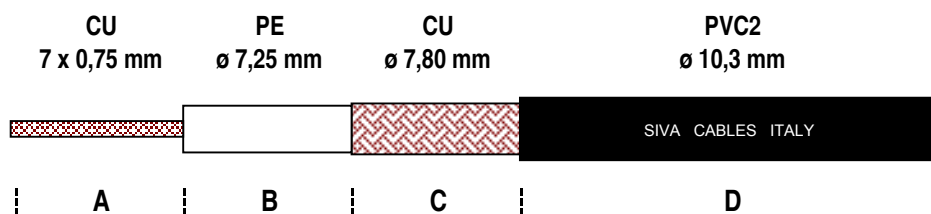


RG 213 TY

50 OHM RF COAXIAL CABLE



MECHANICAL DATA

| | | | |
|----------|------------------------|--------------------------------------|------------------|
| A | INNER CONDUCTOR | PLAIN COPPER | 7 x 0,75 mm |
| B | DIELECTRIC | LOW DENSITY POLYETHYLENE | ø 7,25 ± 0,18 mm |
| C | BRAID | PLAIN COPPER | 240 x 0,13 mm |
| | | - COVERAGE | 93% |
| D | SHEATH | NON-CONTAMINATING POLYVINYL-CHLORIDE | ø 10,3 ± 0,18 mm |
| | - COLOUR | BLACK - RAL 9004 | |
| | - PRINTING | | |

MINIMUM BENDING RADIUS (mm)

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

TAMPERATURE RANGE

-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

| | |
|-----------|-------|
| - COPPER | 59,9 |
| - PLASTIC | 89,8 |
| - TOTAL | 149,7 |

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

| | |
|-------------------|----------|
| - INNER CONDUCTOR | 6 Ohm/Km |
| - BRAID | 5 Ohm/Km |

TENSION

| | |
|------------------------|--------|
| - SHEATH SPARK TESTING | 6,0 kV |
|------------------------|--------|

ATTENUATIONS dB/100 m.

| | | | | | |
|---------|------|----------|------|----------|------|
| 5 MHz | 1,3 | 500 MHz | 15,8 | 1750 MHz | 34,6 |
| 10 MHz | 1,9 | 600 MHz | 17,5 | 2150 MHz | 39,9 |
| 50 MHz | 4,5 | 800 MHz | 21,0 | 2250 MHz | 40,8 |
| 100 MHz | 6,6 | 1000 MHz | 23,9 | 2500 MHz | 44,0 |
| 200 MHz | 9,8 | 1350 MHz | 29,2 | 2750 MHz | 47,1 |
| 300 MHz | 11,9 | 1500 MHz | 31,2 | 3000 MHz | 50,4 |

STRUCTURAL RETURN LOSS dB

| | | | |
|----------------|-----|-----------------|-------|
| 30 ÷ 300 MHz | >31 | 1000 ÷ 2000 MHz | >24 |
| 300 ÷ 600 MHz | >28 | 2000 ÷ 3000 MHz | >22 |
| 600 ÷ 1000 MHz | >27 | ÷ | 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.