



FABBRICA CAVI - ANTENNE - ACCESSORI TV



# RG 59 BU-ZH

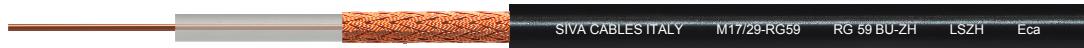
75 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

COMPLIANCE IEC 60754-1 IEC 60754-2 IEC 61034-2

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

CW      PE      CU      Pet      LSZH  
 ø 0,58 mm    ø 3,70 mm    ø 4,30 mm    h. 16 mm    ø 6,20 mm



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

## MECHANICAL DATA

|          |                        |  |       |                   |
|----------|------------------------|--|-------|-------------------|
| <b>A</b> | <b>INNER CONDUCTOR</b> | COPPERWELD   | ..... | ø 0,58 ± 0,025 mm |
| <b>B</b> | <b>DIELECTRIC</b>      | LOW DENSITY POLYETHYLENE   | ..... | ø 3,70 ± 0,10 mm  |
| <b>C</b> | <b>BRAID</b>           | PLAIN COPPER   | ..... | 120 x 0,15 mm     |
|          |                        | - COVERAGE   | ..... | 95%               |
| <b>D</b> | <b>NON-MIGRATING</b>   | POLYESTER TAPE   | ..... | h. 16 mm          |
| <b>E</b> | <b>SHEATH</b>          | FLAME RETARDANT NON-CORROSIVE                                    | ..... | ø 6,20 ± 0,10 mm  |
|          |                        | THERMOPLASTIC FREE OF HALOGENS                                   |       |                   |
|          | - COLOUR               | <b>BLACK - RAL 9004</b>  |       |                   |
|          | - PRINTING             | <b>M17/29-RG59 MIL-C-17G RG 59 BU-ZH 75 Ohm LSZH</b>             |       |                   |
|          |                        | <b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b> |       |                   |

### MINIMUM BENDING RADIUS ( mm )

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

TEMPERATURE RANGE -40 °C / +80 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER 22,4
- PLASTIC 34,2
- TOTAL 56,9

## ELECTRICAL PROPERTIES at 20°C

|                       |            |                         |            |
|-----------------------|------------|-------------------------|------------|
| <b>IMPEDANCE</b>      | 75 ± 3 Ohm | <b>RESISTANCE</b>       |            |
|                       |            | - <b>INNER CONDUCT.</b> | 166 Ohm/Km |
| <b>CAPACITANCE</b>    | 67 pF/m    | - <b>BRAID</b>          | 9 Ohm/Km   |
|                       |            | <b>TENSION</b>          |            |
| <b>VELOCITY RATIO</b> | 66%        | - <b>SHEATH</b>         | 4,5 kV     |
|                       |            | - <b>SPARK TESTING</b>  |            |

### ATTENUATIONS dB/100 m.

|     |     | dB   | W |
|-----|-----|------|---|
| 5   | MHz | 2,3  |   |
| 10  | MHz | 3,1  |   |
| 50  | MHz | 7,4  |   |
| 100 | MHz | 10,7 |   |
| 200 | MHz | 15,7 |   |
| 400 | MHz | 22,7 |   |

### MAX. POWER RATING W

|      |     | dB   | W |
|------|-----|------|---|
| 500  | MHz | 25,7 |   |
| 600  | MHz | 28,7 |   |
| 800  | MHz | 33,6 |   |
| 1000 | MHz | 38,0 |   |
| 1350 | MHz | 45,6 |   |
| 1500 | MHz | 48,5 |   |

|      |     | dB   | W |
|------|-----|------|---|
| 1750 | MHz | 53,5 |   |
| 2150 | MHz | 60,9 |   |
| 2250 | MHz | 62,1 |   |
| 2500 | MHz | 66,8 |   |
| 2750 | MHz | 69,6 |   |
| 3000 | MHz | 72,7 |   |

### STRUCTURAL RETURN LOSS dB

|            |     |     |               |     |     |
|------------|-----|-----|---------------|-----|-----|
| 30 ÷ 300   | MHz | >31 | 1000 ÷ 2000   | MHz | >18 |
| 300 ÷ 600  | MHz | >28 | 2000 ÷ 3000   | MHz | >14 |
| 600 ÷ 1000 | MHz | >24 | ..... ÷ ..... | 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.