



FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 200 ZH

HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS
IN ACCORDANCE TO : IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E_{ca}**

CU **PEG** **LAS** **CS** **LSZH**
ø 1,13 mm ø 2,95 mm ø 3,05 mm ø 3,55 mm ø 5,00 mm



MECHANICAL DATA

| | | | | |
|----------|------------------------|--|-------|------------------|
| A | INNER CONDUCTOR | PLAIN COPPER | | ø 1,13 mm |
| B | DIELECTRIC | GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE | | ø 2,95 ± 0,10 mm |
| C | SHIELD | ALL + PET + ALL ADHESIVE TAPE | | h. 12 mm |
| | | - COVERAGE | | 100% |
| D | BRAID | TINNED COPPER | | 112 x 0,12 mm |
| | | - COVERAGE | | 92% |
| E | SHEATH | FLAME RETARDANT NON-CORROSIVE | | ø 5,00 ± 0,10 mm |
| | | FREE OF HALOGENS UV RESISTANT THERMOPLASTIC | | |
| | - COLOUR | BLACK - RAL 9004 | | |
| | - PRINTING | ## METER ## HF 200 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM | | |
| | | 1,13 / 2,95 / 5,00 MADE IN ITALY CE 58 WEEK/YEAR EN 50575:2014 + A1:2016 Eca | | |

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 | 21,0 |
| - PLASTIC | 18,0 |
| - TOTAL | 40,5 |

ELECTRICAL PROPERTIES at 20°C

| | | | |
|----------------------------|--------------|-------------------|-------------|
| IMPEDANCE @ 200 MHz | 50 ± 1,5 Ohm | RESISTANCE | |
| | | - INNER CONDUCT. | 17,2 Ohm/Km |
| CAPACITANCE | 80 pF/m | - BRAID | 12,4 Ohm/Km |
| | | TENSION | |
| VELOCITY RATIO | 82% | - SHEATH | 4,0 kV |
| | | - SPARK TESTING | |

ATTENUATIONS dB/100 m.

| | | dB | W |
|-----|-----|------|------|
| 5 | MHz | 2,6 | 2263 |
| 10 | MHz | 3,6 | 1600 |
| 30 | MHz | 5,6 | 924 |
| 50 | MHz | 7,5 | 716 |
| 150 | MHz | 12,0 | 413 |
| 220 | MHz | 14,8 | 341 |

MAX. POWER RATING W

| | | dB | W |
|------|-----|------|-----|
| 450 | MHz | 21,7 | 239 |
| 600 | MHz | 25,1 | 207 |
| 800 | MHz | 28,9 | 179 |
| 900 | MHz | 31,4 | 169 |
| 1000 | MHz | 33,3 | 160 |
| 1500 | MHz | 40,9 | 131 |

| | | dB | W |
|------|-----|------|-----|
| 1800 | MHz | 45,0 | 119 |
| 2000 | MHz | 48,1 | 113 |
| 2500 | MHz | 53,9 | 101 |
| 3000 | MHz | 58,6 | 92 |
| 5200 | MHz | 81,1 | 70 |
| 5800 | MHz | 85,3 | 66 |

STRUCTURAL RETURN LOSS dB

| | | | | | |
|-------------|-----|-----|-------------|-----|-----|
| 30 ÷ 450 | MHz | >29 | 2000 ÷ 3000 | MHz | >24 |
| 450 ÷ 1000 | MHz | >28 | 3000 ÷ 4000 | MHz | >23 |
| 1000 ÷ 2000 | MHz | >25 | 4000 ÷ 5800 | MHz | >22 |

SCREENING EFFECTIVENESS dB

| | | |
|-------------|-----|-----|
| 100 ÷ 900 | MHz | >95 |
| 900 ÷ 2000 | MHz | >90 |
| 2000 ÷ 3000 | MHz | >80 |

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

SI.VA S.R.L. Via Vittorio Veneto 63 24040 Bonate Sotto (Bergamo) Italia
Tel. 0039 035 991085 / 86 <http://www.sivacavi.it> siva@sivacavi.it

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