



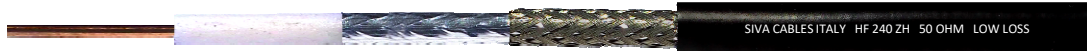
FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 240 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 1,40 mm ø 3,80 mm ø 3,90 mm ø 4,30 mm ø 6,10 mm



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

MECHANICAL DATA

| | | | |
|----------|------------------------|--|------------------|
| A | INNER CONDUCTOR | PLAIN COPPER | ø 1,40 mm |
| B | DIELECTRIC | GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE | ø 3,80 ± 0,10 mm |
| C | SHIELD | ALL + PET + ALL ADHESIVE TAPE | h. 15 mm |
| | | - COVERAGE | 100% |
| D | BRAID | TINNED COPPER | 128 x 0,10 mm |
| | | - COVERAGE | 77% |
| E | SHEATH | FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS | ø 6,10 ± 0,10 mm |
| | - COLOUR | BLACK - RAL 9004 | |
| | - PRINTING | ## METER ## HF 240 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM 1,40 / 3,80 / 6,10 MADE IN ITALY CE 58 WEEK/YEAR EN 50575:2014 + A1:2016 Eca | |

MINIMUM BENDING RADIUS (mm)

- SINGLE ø ESTERNO X 5
- REPEATED ø ESTERNO X 10

TEMPERATURE RANGE -40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER 23,3
- PLASTIC 26,7
- TOTAL 51,8

ELECTRICAL PROPERTIES at 20°C

| | | | |
|----------------------------|--------------|----------------------|-------------|
| IMPEDANCE @ 200 MHz | 50 ± 1,5 Ohm | RESISTANCE | |
| | | - INNER CONDUCT. | 11,5 Ohm/Km |
| CAPACITANCE | 80 pF/m | - BRAID | 16,2 Ohm/Km |
| VELOCITY RATIO | 84% | TENSION | |
| | | - SHEATH | 4,5 kV |
| | | SPARK TESTING | |

ATTENUATIONS dB/100 m.

| | | dB | W |
|-----|-----|-----------|----------|
| 5 | MHz | 1,7 | 3536 |
| 10 | MHz | 2,5 | 2500 |
| 30 | MHz | 3,9 | 1443 |
| 50 | MHz | 5,3 | 1118 |
| 150 | MHz | 8,7 | 645 |
| 220 | MHz | 11,1 | 533 |
| 450 | MHz | 16,3 | 373 |

MAX. POWER RATING W

| | | dB | W |
|------|-----|-----------|----------|
| 600 | MHz | 18,8 | 323 |
| 800 | MHz | 21,7 | 280 |
| 900 | MHz | 23,4 | 264 |
| 1000 | MHz | 24,8 | 250 |
| 1500 | MHz | 30,8 | 204 |
| 1800 | MHz | 33,8 | 186 |
| 2000 | MHz | 35,9 | 177 |

| | | dB | W |
|-------|-----|-----------|----------|
| 2500 | MHz | 40,9 | 158 |
| 3000 | MHz | 45,2 | 144 |
| 5200 | MHz | 61,4 | 110 |
| 5800 | MHz | 65,0 | 104 |
| 6000 | MHz | 66,5 | 102 |
| 8000 | MHz | 79,3 | 88 |
| 10000 | MHz | 90,4 | 79 |

STRUCTURAL RETURN LOSS dB

| | | | | | |
|-------------|-----|-----|--------------|-----|-----|
| 30 ÷ 450 | MHz | >3 | 3000 ÷ 4000 | MHz | >23 |
| 450 ÷ 1000 | MHz | >32 | 4000 ÷ 5800 | MHz | >18 |
| 1000 ÷ 2000 | MHz | >29 | 5800 ÷ 8000 | MHz | >16 |
| 2000 ÷ 3000 | MHz | >25 | 8000 ÷ 10000 | MHz | >14 |

SCREENING EFFECTIVENESS dB

| | | |
|-------------|-----|------|
| 100 ÷ 900 | MHz | >100 |
| 900 ÷ 2000 | MHz | >95 |
| 2000 ÷ 3000 | MHz | >85 |

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