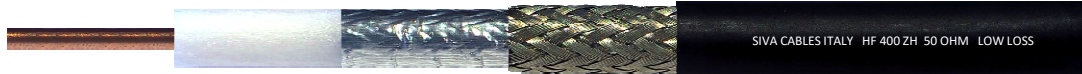


HF 400 ZH

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}**

| | | | | |
|------------|------------|------------|-----------|-------------|
| CCA | PEG | LAS | CS | LSZH |
| ø 2,74 mm | ø 7,25 mm | ø 7,35 mm | ø 7,95 mm | ø 10,30 mm |



MECHANICAL DATA

| | | | |
|----------|------------------------|--|-------------------|
| A | INNER CONDUCTOR | PLAIN COPPER CLAD ALUMINIUM | ø 2,74 mm |
| B | DIELECTRIC | GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE | ø 7,25 ± 0,18 mm |
| C | SHIELD | ALL + PET + ALL ADHESIVE TAPE | h. 27 mm |
| | - COVERAGE | | 100% |
| D | BRAID | TINNED COPPER | 168 x 0,15 mm |
| | - COVERAGE | | 90% |
| E | SHEATH | FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS | ø 10,30 ± 0,18 mm |
| | - COLOUR | BLACK - RAL 9004 | |
| | - PRINTING | ## METER ## HF 400 ZH HIGH PERFORMANCE LOW LOSS CABLE LSZH 50 OHM 2,74 / 7,25 / 10,30 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 |

CABLE WEIGHT (Kg/Km)

| | |
|-------------|-------|
| - COPPER | 35,3 |
| - ALUMINIUM | 21,4 |
| - PLASTIC | 63,9 |
| - TOTAL | 123,9 |

TEMPERATURE RANGE -40 °C / +80 °C

ELECTRICAL PROPERTIES at 20°C

| | | | |
|----------------------------|--------------|-------------------|------------|
| IMPEDANCE @ 200 MHz | 50 ± 1,5 Ohm | RESISTANCE | |
| CAPACITANCE | 80 pF/m | - INNER CONDUCT. | 4,7 Ohm/Km |
| VELOCITY RATIO | 84% | - BRAID | 5,0 Ohm/Km |
| | | TENSION | |
| | | - SHEATH | 6,0 kV |
| | | - SPARK TESTING | |

ATTENUATIONS dB/100 m.

| | | dB | W |
|-----|-----|-----------|----------|
| 5 | MHz | 1,0 | 8202 |
| 10 | MHz | 1,4 | 5800 |
| 30 | MHz | 2,2 | 3349 |
| 50 | MHz | 2,8 | 2594 |
| 150 | MHz | 4,7 | 1498 |
| 220 | MHz | 5,9 | 1237 |
| 450 | MHz | 8,6 | 865 |

MAX. POWER RATING W

| | | dB | W |
|------|-----|-----------|----------|
| 600 | MHz | 10,0 | 749 |
| 800 | MHz | 11,6 | 648 |
| 900 | MHz | 12,4 | 611 |
| 1000 | MHz | 13,1 | 580 |
| 1500 | MHz | 16,3 | 474 |
| 1800 | MHz | 18,1 | 432 |
| 2000 | MHz | 19,2 | 410 |

| | | dB | W |
|-------|-----|-----------|----------|
| 2500 | MHz | 21,5 | 367 |
| 3000 | MHz | 23,6 | 335 |
| 5200 | MHz | 32,8 | 254 |
| 5800 | MHz | 34,8 | 241 |
| 6000 | MHz | 35,4 | 237 |
| 8000 | MHz | 41,9 | 205 |
| 10000 | MHz | 48,3 | 183 |

STRUCTURAL RETURN LOSS dB

| | | | |
|-----------------|-----|------------------|-----|
| 30 ÷ 450 MHz | >34 | 3000 ÷ 4000 MHz | >22 |
| 450 ÷ 1000 MHz | >30 | 4000 ÷ 5800 MHz | >18 |
| 1000 ÷ 2000 MHz | >28 | 5800 ÷ 8000 MHz | >16 |
| 2000 ÷ 3000 MHz | >24 | 8000 ÷ 10000 MHz | >15 |

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.