



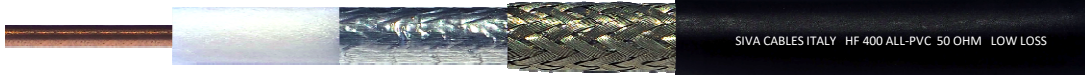
FABBRICA CAVI - ANTENNE - ACCESSORI TV

HF 400 ALL-PVC

HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS

Class CPR **F_{ca}**

CCA PEG LAS ALL PVC2
 ø 2,74 mm ø 7,25 mm ø 7,35 mm ø 8,00 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 | ALUMINIUM | 168 x 0,16 mm |
| | - COVERAGE | | 88% |
| E | SHEATH | NON-CONTAMINATING POLYVINYL-CHLORIDE..... | ø 10,30 ± 0,18 mm |
| | - COLOUR | BLACK - RAL 9004 | |
| | - PRINTING | ## METER ## HF 400 ALL-PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM | |
| | | 2,74 / 7,25 / 10,30 MADE IN ITALY CE 58 WEEK/YEAR | |

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

| | |
|-------------|------|
| - ALUMINIUM | 32,2 |
| - PLASTIC | 61,3 |
| - TOTAL | 96,8 |

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 1,5 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

| | |
|------------------|------------|
| - INNER CONDUCT. | 4,7 Ohm/Km |
| - BRAID | 6,0 Ohm/Km |

TENSION

| | |
|-----------------|--------|
| - SHEATH | 5,5 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 | 2,9 | 2594 |
| 150 | MHz | 4,8 | 1498 |
| 220 | MHz | 6,1 | 1237 |
| 450 | MHz | 8,9 | 865 |

MAX. POWER RATING W

| | | dB | W |
|------|-----|------|-----|
| 600 | MHz | 10,4 | 749 |
| 800 | MHz | 12,1 | 648 |
| 900 | MHz | 12,9 | 611 |
| 1000 | MHz | 13,7 | 580 |
| 1500 | MHz | 16,9 | 474 |
| 1800 | MHz | 18,8 | 432 |
| 2000 | MHz | 19,9 | 410 |

| | | dB | W |
|-------|-----|------|-----|
| 2500 | MHz | 22,5 | 367 |
| 3000 | MHz | 24,8 | 335 |
| 5200 | MHz | 34,5 | 254 |
| 5800 | MHz | 36,6 | 241 |
| 6000 | MHz | 37,3 | 237 |
| 8000 | MHz | 44,2 | 205 |
| 10000 | MHz | 51,0 | 183 |

STRUCTURAL RETURN LOSS dB

| | | | |
|-----------------|-----|------------------|-----|
| 30 ÷ 450 MHz | >26 | 3000 ÷ 4000 MHz | >20 |
| 450 ÷ 1000 MHz | >25 | 4000 ÷ 5800 MHz | >19 |
| 1000 ÷ 2000 MHz | >22 | 5800 ÷ 8000 MHz | >18 |
| 2000 ÷ 3000 MHz | >21 | 8000 ÷ 10000 MHz | >17 |

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.