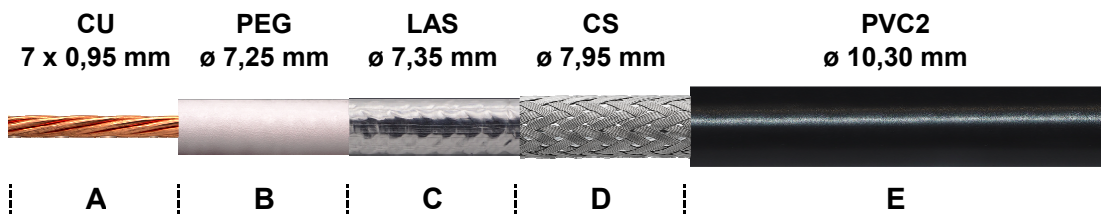


HF 400 Flexible

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

Class CPR **E_{ca}**



MECHANICAL DATA

| | | | |
|----------|------------------------|---|--------------------------|
| A | INNER CONDUCTOR | PLAIN COPPER | 7 x 0,95 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 | 192 x 0,15 mm |
| | | - COVERAGE | 90% |
| E | SHEATH | NON-CONTAMINATING POLYVINYL-CHLORIDE | ø 10,30 ± 0,18 mm |
| | - COLOUR | BLACK - RAL 9004 | |
| | - PRINTING | ## METER ## RANGEFUL HF400 FLEXIBLE 50 OHM CU UV PVC LOW LOSS CABLE CE WEEK/YEAR EN 50575:2014 + A1:2016 Eca MADE IN ITALY | |

MINIMUM BENDING RADIUS (mm)

- **SINGLE** ø EXTERNAL X 5
- **SINGLE** ø EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 78,7
- **PLASTIC** 62,5
- **TOTAL** 144,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz 50 ± 3 Ohm

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- **INNER CONDUCT.** 4,0 Ohm/Km
- **BRAID** 5,0 Ohm/Km

TENSION

- **SHEATH SPARK TESTING** 6,0 kV

ATTENUATIONS dB/100 m.

| | | dB | W |
|-----|-----|-----------|----------|
| 5 | MHz | 1,1 | 7778 |
| 10 | MHz | 1,4 | 5500 |
| 30 | MHz | 2,2 | 3175 |
| 50 | MHz | 3,0 | 2460 |
| 150 | MHz | 5,0 | 1420 |
| 220 | MHz | 6,1 | 1173 |

MAX. POWER RATING W

| | | dB | W |
|------|-----|-----------|----------|
| 450 | MHz | 9,0 | 820 |
| 600 | MHz | 10,7 | 710 |
| 800 | MHz | 12,4 | 615 |
| 900 | MHz | 13,2 | 580 |
| 1000 | MHz | 14,1 | 550 |
| 1500 | MHz | 17,4 | 449 |

| | | dB | W |
|------|-----|-----------|----------|
| 1800 | MHz | 19,3 | 410 |
| 2000 | MHz | 20,5 | 389 |
| 2500 | MHz | 23,3 | 348 |
| 3000 | MHz | 25,8 | 318 |
| 5200 | MHz | 35,5 | 241 |
| 5800 | MHz | 37,7 | 228 |

STRUCTURAL RETURN LOSS dB

| | |
|---------------------|---------------------|
| 30 ÷ 450 MHz >25 | 2000 ÷ 3000 MHz >20 |
| 450 ÷ 1000 MHz >24 | 3000 ÷ 4000 MHz >19 |
| 1000 ÷ 2000 MHz >21 | 4000 ÷ 5800 MHz >18 |

SCREENING EFFECTIVENESS dB

| | |
|--------------------|---------------------|
| 100 ÷ 900 MHz >95 | 900 ÷ 2000 MHz >85 |
| 900 ÷ 2000 MHz >85 | 2000 ÷ 3000 MHz >75 |

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