

## Technical Datasheet

# tasker® C527 – 7x0,47/3,80/6,10 mm

## Low Loss Coaxial cable 50 Ω



|   |   |   |   |   |
|---|---|---|---|---|
| A | B | C | D | E |
|---|---|---|---|---|

**CATEGORY** Low Loss coaxial cable 50 Ω  
**APPLICATIONS** High Frequency Antennas and Networks.

- A:** Black PVC - RAL 9004 - Outer Diam. Ø 6,10 (±0,10) mm
- B:** First Shielding in O.F.C. tinned copper Braid covering 80%
- C:** Second Shielding in Aluminum/PET/Aluminum covering 100%
- D:** Core Insulation with White Gas Expanded Polyethylene (PEG).  
Diam. Ø 3,80 (±0,10) mm
- E:** Red Copper Stranded formation 7x0,47 mm.  
Nom. Cross section 1x1,21 mm<sup>2</sup>. (17 AWG)

**MARKING** tasker® C527 1x1,21 mm<sup>2</sup> (50Ω) - 7x0,47/3,80/6,10 - DOUBLE SHIELDED LOW LOSS WI-FI/RF COAX CABLE MADE IN ITALY

**CUSTOM PRODUCTION** This product may be custom produced also in L.S.Z.H. polymer, PE, PUR, with or without Metallic Armor.

### Cable Properties

|                                |           |
|--------------------------------|-----------|
| <b>Conductor Resistance</b>    | 15,5 Ω/Km |
| <b>Capacity Core/Shield</b>    | 80 pF/m   |
| <b>Velocity of Propagation</b> | 84%       |
| <b>Impedance</b>               | 50Ω       |
| <b>Insulation Spark Test</b>   | 4,5 kV    |
| <b>Operative Temperature</b>   | -15/+70°C |

### Attenuation dB/100 m and Max Watt (W) Applicable

|                |       |      |                 |       |     |
|----------------|-------|------|-----------------|-------|-----|
| <b>50 MHz</b>  | 6,50  | 1029 | <b>1000 MHz</b> | 29,30 | 230 |
| <b>150 MHz</b> | 10,70 | 594  | <b>1500 MHz</b> | 36,60 | 188 |
| <b>450 MHz</b> | 19,10 | 343  | <b>2000 MHz</b> | 43,30 | 163 |
| <b>600 MHz</b> | 22,30 | 297  | <b>2500 MHz</b> | 48,20 | 145 |
| <b>800 MHz</b> | 26,00 | 257  | <b>3000 MHz</b> | 53,40 | 133 |
| <b>900 MHz</b> | 27,50 | 242  | <b>5000 MHz</b> | 79,10 | 96  |

|                |          |                       |                   |                     |          |                      |                  |                     |          |                   |
|----------------|----------|-----------------------|-------------------|---------------------|----------|----------------------|------------------|---------------------|----------|-------------------|
| <b>USE</b>     | <b>X</b> | Indoor                | Interno Edificio  | <b>INSTALLATION</b> | <b>X</b> | Fixed                | Fissa            | <b>INFORMATION</b>  | <b>X</b> | RoHS3 Compliant   |
| <b>Impiego</b> | <b>X</b> | Outdoor Limited       | Esterno Limitato  | <b>Posa</b>         | <b>X</b> | Restricted Mobile    | Mobile Limitata  | <b>Informazioni</b> | <b>X</b> | Ver. C / 03.05.22 |
|                |          | Outdoor               | Esterno           |                     |          | Mobile               | Mobile           |                     |          |                   |
|                |          | Outdoor Direct Burial | Esterno Interrato |                     |          | Mobile in Drag Chain | Mobile in Catena |                     |          |                   |