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## Technical Datasheet

# tasker® C526 – 1x1,54 mm<sup>2</sup> RoHS<sub>3</sub>

## Low Loss Coaxial cable 50 Ω



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

**CATEGORY** Coaxial cable 50 Ω (See Data Network Catalogue)  
**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 polyethylene (PE).  
Diam. Ø 3,80 (±0,10) mm
- E:** Red Copper Stiff Wire formation 1x1,40 mm.  
Nom. Cross section 1x1,54 mm<sup>2</sup>.

**MARKING** tasker® C526 1x1.54 mm<sup>2</sup> (50Ω) – 1,40/3,80/6.10 - 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>    | 11,5 Ω/Km |
| <b>Capacity Core/Shield</b>    | 80 pF/m   |
| <b>Velocity of Propagation</b> | 80%       |
| <b>Impedance</b>               | 50Ω       |
| <b>Insulation Spark Test</b>   | 4,0 kV    |
| <b>Operative Temperature</b>   | -15/+70°C |

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

|                 |       |       |
|-----------------|-------|-------|
| <b>50 MHz</b>   | 5,70  | 1.118 |
| <b>100 MHz</b>  | 7,80  | 791   |
| <b>500 MHz</b>  | 18,10 | 354   |
| <b>800 MHz</b>  | 23,50 | 280   |
| <b>1000 MHz</b> | 26,00 | 250   |
| <b>3000 MHz</b> | 49,90 | 144   |

|                |          |                       |                   |                     |          |                      |                  |                     |          |                   |
|----------------|----------|-----------------------|-------------------|---------------------|----------|----------------------|------------------|---------------------|----------|-------------------|
| <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> |          | Outdoor Limited       | Esterno Limitato  | <b>Posa</b>         | <b>X</b> | Restricted Mobile    | Mobile Limitata  | <b>Informazioni</b> | <b>X</b> | Ver. B / 17.06.19 |
|                |          | Outdoor               | Esterno           |                     |          | Mobile               | Mobile           |                     |          |                   |
|                |          | Outdoor Direct Burial | Esterno Interrato |                     |          | Mobile in Drag Chain | Mobile in Catena |                     |          |                   |