

Technical Datasheet

tasker® RG 58 PUR – 19x0,18/3,00/5,00 mm Coaxial 50Ω Mil. C 17 F Standard Cable – Outdoor Use



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

CATEGORY Coaxial cable 50 Ω

APPLICATIONS High Frequency Antennas and Networks.

- A:** Black Polyurethane (PUR) Sheath. Outer Diam. Ø 5,00 (±0,20) mm. Flame Retardant, Halogen Free and UV, Water, Chemical and Oil Resistant.
- B:** Shielding O.F.C. tinned copper braid covering 98%.
- C:** Core Insulation with transparent compact PE diam. Ø 3,00 (±0,20) mm.
- D:** O.F.C. tinned copper stranded formation, 19x0,18 mm. (21/19 AWG). Nom. Cross section 1x0,48 mm² (50Ω).

MARKING **tasker®** RG58 PUR 50 Ω Mil. C/17F OUTDOOR USE CABLE
MADE IN ITALY

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

Cable Properties

| | | | |
|--|------------|-------------------------------------|-------------|
| Conductor Resistance | 40 Ω/Km | Underwater max install depth | 50 m |
| Capacity Core/Shield | 100 pF/m | Min. Screening effectiveness | >57 dB |
| Velocity of Propagation | 66% | Max Rated Voltage | 2 KV |
| Signal Delay | 5,00 ns/m | Test Voltage | 5 KV |
| Impedance | 50 Ω | Weight | 3,5 kg/100m |
| Min. Bending Radius for single bend | 5xouter Ø | Recommended connector | tasker SP56 |
| Min. Bending Radius for Multiple bend | 10xouter Ø | Operative Temperature | -40/+80°C |

Attenuation at 100 m. and Max Power

| | | | | | |
|----------------|---------|-------|-----------------|---------|------|
| 50 MHz | 9,7 dB | 268 W | 600 MHz | 37,9 dB | 77 W |
| 100 MHz | 13,9 dB | 190 W | 800 MHz | 45,1 dB | 67 W |
| 200 MHz | 20,4 dB | 134 W | 1000 MHz | 51,8 dB | 60 W |
| 400 MHz | 30,0 dB | 95 W | 1500 MHz | 65,6 dB | 49 W |

| | | | | | | | | | | |
|----------------|-------------------------------------|-----------------------|-------------------|---------------------|-------------------------------------|----------------------|------------------|---------------------|-------------------------------------|-------------------|
| USE | <input checked="" type="checkbox"/> | Indoor | Interno Edificio | INSTALLATION | <input checked="" type="checkbox"/> | Fixed | Fissa | INFORMATION | <input checked="" type="checkbox"/> | RoHS2 Compliant |
| Impiego | <input checked="" type="checkbox"/> | Outdoor Limited | Esterno Limitato | Posa | <input checked="" type="checkbox"/> | Restricted Mobile | Mobile Limitata | Informazioni | <input checked="" type="checkbox"/> | Ver. B / 15.01.19 |
| | <input checked="" type="checkbox"/> | Outdoor | Esterno | | | Mobile | Mobile | | | |
| | | Outdoor Direct Burial | Esterno Interrato | | | Mobile in Drag Chain | Mobile in Catena | | | |