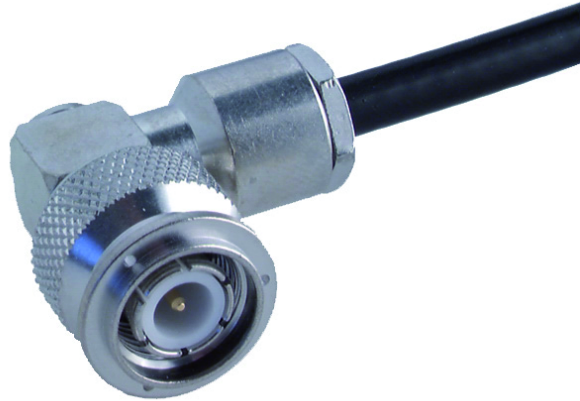


**COAXIAL CONNECTOR, TNC, 50 Ohm, Right angle cable plug (male)**

16\_TNC-50-7-4/133\_N

**Properties**

- Threaded coupling mechanism improves control over the interface dimensions
- Used under a higher environmental load than BNC
- Available for 50 ohm and 75 ohm applications
- Applicable in frequencies up to 11 GHz



| Product configuration |        |                                          |
|-----------------------|--------|------------------------------------------|
| Interface type        | Gender | Standard                                 |
| TNC                   | plug   | IEC 60169-17_MIL-STD-348A/313_CECC 22200 |

| Interface and material data |                       |                                   |
|-----------------------------|-----------------------|-----------------------------------|
| Piece parts                 | Material              | Plating                           |
| Centre contact              | Brass                 | Gold Plating (Nickel underplated) |
| Outer conductor             | Brass                 | SUCOPLATE (R) Plating             |
| Body                        | Brass                 | SUCOPLATE (R) Plating             |
| Insulator                   | PFA / PTFE            |                                   |
| Coupling nut                | Brass                 | SUCOPLATE (R) Plating             |
| Gasket                      | VMQ (Silicone rubber) |                                   |

| Electrical data     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| Interface frequency | 11 GHz      |

| Electrical Data (frequency related) |             |       |
|-------------------------------------|-------------|-------|
| Frequency range                     | Return loss | VSWR  |
| 0.1 GHz ... 2 GHz                   | 29 dB       | 1.074 |
| 2 GHz ... 4 GHz                     | 28.2 dB     | 1.081 |
| 4 GHz ... 6 GHz                     | 27.4 dB     | 1.089 |

| Mechanical data            |           |
|----------------------------|-----------|
| Weight                     | 0.0561 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | soldered  |

**COAXIAL CONNECTOR, TNC, 50 Ohm, Right angle cable plug (male)**

16\_TNC-50-7-4/133\_N

| Mechanical data            |                                   |                                 |                      |
|----------------------------|-----------------------------------|---------------------------------|----------------------|
| Cable entry outer contact  |                                   | clamped                         |                      |
|                            |                                   |                                 |                      |
| Environmental data         |                                   |                                 |                      |
| Operation temperature      |                                   | -65 °C ... 165 °C               |                      |
|                            |                                   |                                 |                      |
| Material compliance        |                                   |                                 |                      |
| Item number                | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22651587                   | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                            | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |
|                            |                                   |                                 |                      |
| Ordering Information Table |                                   |                                 |                      |
| Item number                | Item description                  |                                 | Packaging type       |
| 22651587                   | 16_TNC-50-7-4/133_NE              |                                 | Single               |
|                            |                                   |                                 |                      |
| Suitable cables            |                                   |                                 |                      |
| Cable group                | U42 - 7 mm / 50 Ohm               |                                 |                      |
|                            | U33 - 7 mm / 50 Ohm               |                                 |                      |
|                            | U32 - 7 mm / 50 Ohm               |                                 |                      |
|                            | U29 - 7 mm / 50 Ohm               |                                 |                      |
| Suitable cables            | RG_393_/U                         |                                 |                      |
|                            | RG_214_/U                         |                                 |                      |
|                            | RG_213_/U                         |                                 |                      |
| Additional cables          | ENVIROFLEX_393                    |                                 |                      |
|                            | RADOX_RF_213                      |                                 |                      |
|                            | RADOX_RF_214                      |                                 |                      |
|                            |                                   |                                 |                      |
| Additional Information     |                                   |                                 |                      |
| Only as assembly           |                                   | No                              |                      |

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