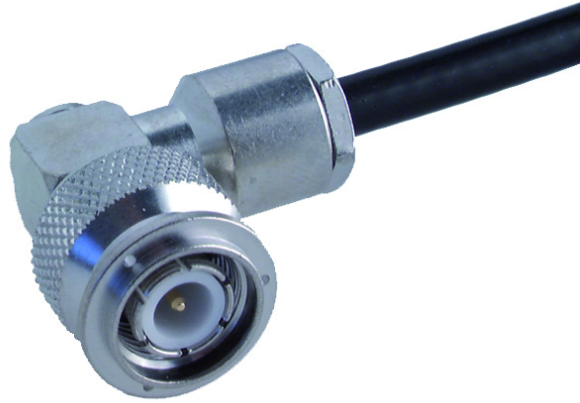


**COAXIAL CONNECTOR, TNC, 50 Ohm, Right angle cable plug (male)**

16\_TNC-50-3-28/133\_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 GHz ... 2 GHz | 32 dB       | 1.05 |
| 2 GHz ... 3 GHz | 30 dB       | 1.07 |
| 3 GHz ... 4 GHz | 22 dB       | 1.17 |

**Mechanical data**

|                            |           |
|----------------------------|-----------|
| Weight                     | 0.0279 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | soldered  |

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

16\_TNC-50-3-28/133\_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 |
| 84012481            | 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 |
| 84012481                   | 16_TNC-50-3-28/133_NE | Single         |

| Suitable cables   |                     |
|-------------------|---------------------|
| Cable group       | U9 - 3 mm / 50 Ohm  |
|                   | U7 - 3 mm / 50 Ohm  |
|                   | U11 - 3 mm / 50 Ohm |
| Suitable cables   | RG_58_C/U           |
|                   | RG_223_/U           |
|                   | ENVIROFLEX_142      |
| Additional cables | RG_400_/U           |

| Additional Information |    |
|------------------------|----|
| Only as assembly       | No |

| Suitable tools |                  |              |
|----------------|------------------|--------------|
| Item number    | Item description | Type of tool |
| 22543112       | 74_Z-0-0-2       | Spanner      |

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