

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

11\_TNC-50-3-31/133\_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 |                                   |
| Crimp ferrule   | Copper     | SUCOPLATE (R) Plating             |

**Electrical data**

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

**Mechanical data**

|                            |           |
|----------------------------|-----------|
| Weight                     | 0.0052 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | crimped   |
| Cable entry outer contact  | crimped   |

**Environmental data**

|                       |                   |
|-----------------------|-------------------|
| Operation temperature | -65 °C ... 165 °C |
|-----------------------|-------------------|

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| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22648593            | 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 |
| 22648593                   | 11_TNC-50-3-31/133_NE | Single         |

| Suitable cables |                    |
|-----------------|--------------------|
| Cable group     | U7 - 3 mm / 50 Ohm |
| Suitable cables | RG_58_C/U          |
|                 | GX_03272           |
|                 | G_03232            |

| Additional Information |                                                             |
|------------------------|-------------------------------------------------------------|
| Remarks                | Special characteristics: connector is without coupling nut! |
| Only as assembly       | No                                                          |

| Suitable tools |                  |               |
|----------------|------------------|---------------|
| Item number    | Item description | Type of tool  |
| 22543193       | 76_Z-0-5-21      | Crimping dies |
| 22543189       | 76_Z-0-4-1       | Crimping dies |
| 22543185       | 76_Z-0-3-1       | Crimping dies |

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