

# COAXIAL CONNECTOR, TNC-reverse, 50 Ohm, Straight cable plug (male)

11\_TNC-R50-7-13/133\_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



CE UK  
CA

| Product configuration |        |   |
|-----------------------|--------|---|
| Interface type        | Gender | Standard                                |
| TNC-reverse           | plug   | HUBER+SUHNER-TNC-R50 (reverse polarity) |

| Interface and material data |                        |                                   |
|-----------------------------|------------------------|-----------------------------------|
| Piece parts                 | Material               | Plating                           |
| Centre contact              | Copper Beryllium Alloy | 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)  |                                   |
| Crimp ferrule               | Copper                 | SUCOPLATE (R) Plating             |

| Electrical data     |        |
|---------------------|--------|
| Impedance           | 50 Ω   |
| Interface frequency | 11 GHz |

| Electrical Data (frequency related) |             |       |
|-------------------------------------|-------------|-------|
| Frequency range                     | Return loss | VSWR  |
| 0.1 GHz ... 2 GHz                   | 35.5 dB     | 1.034 |
| 2 GHz ... 4 GHz                     | 24.5 dB     | 1.127 |
| 4 GHz ... 6 GHz                     | 19.5 dB     | 1.237 |

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

11\_TNC-R50-7-13/133\_N

| <b>Mechanical data</b>     |             |
|----------------------------|-------------|
| Weight                     | 0.023601 kg |
| Mating cycles              | 500         |
| Cable entry centre contact | crimped     |
| Cable entry outer contact  | crimped     |

| <b>Environmental data</b> |                  |
|---------------------------|------------------|
| Operation temperature     | -65 °C ... 165°C |

| <b>Ordering Information Table</b> |                        |                |
|-----------------------------------|------------------------|----------------|
| Item number                       | Item description       | Packaging type |
| 84031806                          | 11_TNC-R50-7-13/133_NE | Single         |

| <b>Suitable cables</b> |  |
|------------------------|--|
| Cable group            | X32 - 7 mm / 50 Ohm<br>U30 - 7 mm / 50 Ohm |
| Suitable cables        | SPUMA_400                                  |
| Additional cables      | LMR-400                                    |

| <b>Additional Information</b> |                             |
|-------------------------------|-----------------------------|
| Remarks                       | Reverse polarised interface |
| Only as assembly              | No                          |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P3364 / Date of publication: 25.11.2023 / uncontrolled copy