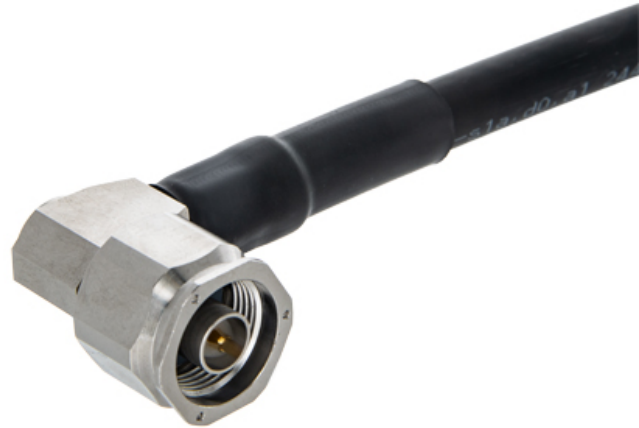


**COAXIAL CONNECTOR, N, 50 Ohm, Right angle cable plug (male)**

16\_N-50-7-55/199\_N

**Properties**

- Excellent corrosion resistance in a wide range of environments
- High salt mist resistant
- Material 316L stainless steel
- Excellent return loss values
- Applicable in frequencies up to 11 GHz

**Product configuration**

|                |        |  |
|----------------|--------|--|
| Interface type | Gender | Standard                                 |
| N              | plug   | IEC 61169-16_MIL-STD-348A/304_CECC 22210 |

**Interface and material data**

|                 |  |                                   |
|-----------------|--|-----------------------------------|
| Piece parts     | Material                                   | Plating                           |
| Centre contact  | Brass                                      | Gold Plating (Nickel underplated) |
| Outer conductor | Stainless Steel (high salt mist resistant) | Passivated (Plating)              |
| Body            | Stainless Steel (high salt mist resistant) | Passivated (Plating)              |
| Other body part | Stainless Steel (high salt mist resistant) | Passivated (Plating)              |
| Insulator       | PTFE (Polytetrafluoroethylene)             |                                   |
| Coupling nut    | Stainless Steel (high salt mist resistant) | Passivated (Plating)              |
| Gasket          | VMQ (Silicone rubber)                      |                                   |
| Crimp ferrule   | Copper                                     | SUCOPLATE (R) Plating             |

**Electrical data**

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

**Electrical Data (frequency related)**

| Frequency range | Return loss | VSWR |
|-----------------|-------------|------|
| 0 GHz ... 4 GHz | 26 dB       | 1.11 |
| 4 GHz ... 6 GHz | 23 dB       | 1.15 |
| 6 GHz ... 8 GHz | 12 dB       | 1.67 |

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

16\_N-50-7-55/199\_N

| <b>Mechanical data</b>     |          |
|----------------------------|----------|
| Mating cycles              | 500      |
| Cable entry centre contact | soldered |
| 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 |
| 85172143                          | 16_N-50-7-55/199_NE | Single         |

| <b>Suitable cables</b> |  |
|------------------------|--|
| Cable group            | X32 - 7 mm / 50 Ohm<br>U30 - 7 mm / 50 Ohm |
| Suitable cables        | SPUMA_400-FR<br>SPUMA_400-RS-FR            |

| <b>Additional Information</b> |    |
|-------------------------------|----|
| Only as assembly              | No |

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