

## RF Cable Assembly

TL-8A-11N-11N-01000-51      Item: 84236772

### Description

Test assembly for indoor applications (Test and Measurement) consisting of a high flexible PE foamed cable with armouring protection and 2x N male straight connectors for frequency up to 8.0 GHz.



### Product Configuration

|                              |                                                 |      |          |
|------------------------------|-------------------------------------------------|------|----------|
| Cable                        | TL-8A                                           |      |          |
| Type Description Connector A | 11_N-50-4-21                                    |      |          |
| Series Connector A           | N                                               | plug | straight |
| Type Description Connector B | 11_N-50-4-21                                    |      |          |
| Series Connector B           | N                                               | plug | straight |
| Armour                       | Steel wire spring, steel braid, TPU jacket blue |      |          |
| Length                       | 1000 mm REF to REF                              |      |          |

### Technical Data

| Electrical Data                 |                   |              |  |
|---------------------------------|-------------------|--------------|--|
| Impedance                       | 50 Ω              |              |  |
| Operating Frequency (max.)      | 8 GHz             |              |  |
| Return Loss (min.)              | -22 dB            | VSWR : 1.173 |  |
| Insertion Loss (max)            | 1.44 dB           |              |  |
| Signal delay                    | 4.12 ns/m         |              |  |
| Velocity of propagation         | 81 %              |              |  |
| CW power (at 40°C)              | 50 W at 8 GHz     |              |  |
| Amplitude stability vs. Flexure | ±0.2 dB           |              |  |
| Phase stability vs. Flexure     | 2.5 ° / GHz       |              |  |
| Mechanical Data                 |                   |              |  |
| Diameter cable                  | 10.3 mm           |              |  |
| Bending radius static (min.)    | 55 mm             |              |  |
| Weight                          | 0.23 kg           |              |  |
| Environmental Data              |                   |              |  |
| Operating temperature           | -40 °C to + 85 °C |              |  |
| 2011/65/EU (RoHS)               | compliant         |              |  |
| 2012/19/EU (WEEE)               | relevant          |              |  |
| 2006/1907/EC (REACH)            | compliant         |              |  |