

# MICROWAVE TEST ASSEMBLIES, N (male), N (male), 50 Ohm, 18 GHz, 3000mm

ST18A/11N/11N/3000mm

## Properties

- Applicable up to 18 GHz
- High flexibility in spite of armouring
- Phase and loss stability with flexure
- Crush-, torque- and kink-resistant
- Waterproof IP68



| Product configuration          |                                                   |
|--------------------------------|---------------------------------------------------|
| Type of cable                  | SUCOTEST_18A                                      |
| Type description connector A   | SF_11_N-468                                       |
| Series connector A             | N, straight - plug                                |
| Type description connector B   | SF_11_N-468                                       |
| Series connector B             | N, straight - plug                                |
| Armour                         | A-Armour SUCOTEST 18A, 85°C, ø10.2 mm, PUR jacket |
| Length                         | 3000 mm                                           |
| Length type                    | REF to REF                                        |
| Electrical data                |                                                   |
| Impedance                      | 50 Ω                                              |
| Max. operating frequency       | 18 GHz                                            |
| Min. return loss               | 19 dB                                             |
| VSWR max                       | 1.253                                             |
| Max. insertion loss            | 3.85 dB                                           |
| Signal delay                   | 4.3 ns/m                                          |
| Propagation velocity           | 77 %                                              |
| Mechanical data                |                                                   |
| Weight                         | 0.7 kg                                            |
| Cable diameter                 | 10.3 mm                                           |
| Static bending radius          | 30 mm                                             |
| Environmental data             |                                                   |
| Operation temperature          | -40 °C ... 85 °C                                  |
| Ingress protection (IP Rating) | Mated / IP68                                      |

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| Material compliance |                                   |                          |                      |
|---------------------|-----------------------------------|--------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                   | Exemptions / Details |
| 84013031            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption | 6c                   |

**Comment**

Sucotest 18A armoured test assemblies offer excellent electrical performance (low insertion loss combined with unique stability and excellent return loss) for heavy duty, outdoor and harsh environment measurements up to 18 GHz.

**Ordering information**

| Item number | Item description           |
|-------------|----------------------------|
| 84013031    | ST18A/11N468/11N468/3000mm |

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