

Data Sheet

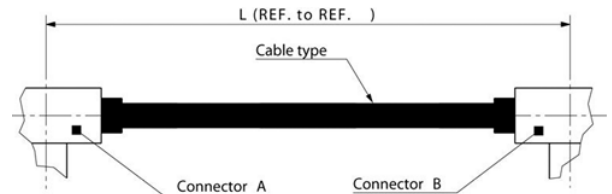
SUCOFLEX_Stock Assembly

Description

The SUCOFLEX 101_E high end cable assemblies are designed to provide optimal performance up to 50 GHz where stringent electrical requirements – in particular stability and low loss, are important.

Product description
Item number

PMASF101E/11PC24/11PC24/914mm
85079124



Product Configuration

| | |
|--------------------|--------------------|
| Cable type | SUCOFLEX_101_E |
| Length of assembly | 914 mm |
| Connector A | PC24 straight male |
| Connector B | PC24 straight male |

Technical Data

Mechanical Data

| | |
|-------------------------------|--------------|
| Diameter: | 3.65 mm |
| Min. bending radius static | 11 mm |
| Min. bending radius repeated | 20 mm |
| Recommended mating torque (*) | 0.8...1.1 Nm |

Environmental Data

| | |
|-----------------------|------------------|
| Operating temperature | - 40°C to + 85°C |
| RoHS, REACH | Compliant |

Electrical Data

| | |
|-------------------------|--------------|
| Impedance | 50 Ω |
| Operating frequency | up to 50 GHz |
| Velocity of propagation | 77 % |
| Capacitance | 87 pF / m |
| Time delay | 4.3 ns / m |

| | | |
|---|--------------|---------------------------|
| Return Loss | min. 14.9 dB | (up to 50 GHz) |
| Insertion loss (assembly) | max. 3.89 dB | (50 GHz, 25°C) |
| Phase matched, absolute | ± 1.0 ps | |
| Power handling | min. 32 W | (50 GHz, sea level, 25°C) |
| Insertion loss stability vs. bending (**) | ± 0.2 dB | (up to 50 GHz) |
| Phase stability vs. bending (**) | < 1.2° | (el/GHz) |

General Information

| | |
|-----------------------|--|
| (*) H+S torque wrench | H+S description: 74_Z-0-0-21 // material/item number: 22543130 |
| (**) Stability test | 360°, diameter 40 mm |

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