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| PAGE 1/1 | ISSUE **01/05/2025** | SERIES **TestPro Cable** | PART NUMBER **1800970973048PJ** |
|---|---|---|---|

All dimensions are in mm
For more details, please see connectors TDS




## DESIGNATION

| | |
|---|---|
| Cable | **Armoured measurement cable - P/N - TestPro 3** |
| Connector Left | **SMA 2.9 - straight plug - passivated stainless steel - P/N: R127801311** |
| Connector Right | **SMA 2.9 - straight plug - passivated stainless steel - P/N: R127801311** |
| Assembly Length | **3048 mm / 120.00 inch (tolerance = ± 2%)** |
| Assembly Weight | **477.20 gr / 16.83 oz (tolerance = ± 5%)** |

## ELECTRICAL CHARACTERISTICS

| | |
|---|---|
| Characteristic impedance | **50 Ohms** |
| Max operating frequency | **40.0 GHz** |
| Assembly Typ Insertion Loss | **9.01 dB (at 20 °C, at 40.0 GHz )** |
| Assembly Typ VSWR | **1.35 (at 40.0 GHz )** |
| Assembly Max. Insertion Loss | **10.00 dB (at 20 °C, at 40.0 GHz )** |
| Assembly Max VSWR | **1.40 (at 40.0 GHz )** |
| Assembly Max Return Loss | **15.6 dB (at 40.0 GHz )** |
| Phase stability vs. Temp | **4° / m / GHz (-55° / +100°C)** |
| Dielectric withstanding voltage | **1000 V** |
| Insulation resistance | **5000 M.Ohms** |
| Other | **Amplitude stability typ. (dB) 0,05 @ 40GHz** |
| | **Phase with flexure stability typ. 4,8° @ 40GHz** |
| | **Note: Max IL are indicative only when superior to 40dB** |

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Cable Outer diameter | **7.29 mm Max \| 0.287 inch** |
| Static bending radius | **25.0 mm \| 0.98 inch** |
| Dynamic bending radius | **50.0 mm \| 1.97 inch** |
| Other | **Flexure life cycle > 20,000** |
| | **Mating cycles durability > 5,000** |

## ENVIRONMENTAL CHARACTERISTICS

| | |
|---|---|
| Temperature range | **-55 +125°C** |
| Fire resistance | **Yes** |
| RoHS | **Yes** |
| Other | **Outgssing ACC. ESA-PSS-01-702: TML <1%, CVCM <0,1%** |

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