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ISSUE **12/07/2021**

SERIES **TestPro Cable**

PART NUMBER **1800940930914PJ**

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



## DESIGNATION

|                 |                                                                               |
|-----------------|-------------------------------------------------------------------------------|
| Cable           | <b>Armoured measurement cable - P/N - TestPro 3</b>                           |
| Connector Left  | <b>SMA 2.9 - straight jack - passivated stainless steel - P/N: R299776101</b> |
| Connector Right | <b>SMA 2.9 - straight jack - passivated stainless steel - P/N: R127822111</b> |
| Assembly Length | <b>914 mm / 35.98 inch (tolerance = ± 2%)</b>                                 |
| Assembly Weight | <b>197.10 gr / 6.95 oz (tolerance = ± 5%)</b>                                 |

## ELECTRICAL CHARACTERISTICS

|                                 |                                                                                                                                                                             |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Characteristic impedance        | <b>50 Ohms</b>                                                                                                                                                              |
| Max operating frequency         | <b>40.0 GHz</b>                                                                                                                                                             |
| Assembly Typ Insertion Loss     | <b>3.00 dB (at 20 °C, at 40.0 GHz )</b>                                                                                                                                     |
| Assembly Typ VSWR               | <b>1.35 (at 40.0 GHz )</b>                                                                                                                                                  |
| Assembly Max. Insertion Loss    | <b>3.31 dB (at 20 °C, at 40.0 GHz )</b>                                                                                                                                     |
| Assembly Max VSWR               | <b>1.40 (at 40.0 GHz )</b>                                                                                                                                                  |
| Assembly Max Return Loss        | <b>15.6 dB (at 40.0 GHz )</b>                                                                                                                                               |
| Phase stability vs. Temp        | <b>4° / m / GHz (-55° / +100°C)</b>                                                                                                                                         |
| Dielectric withstanding voltage | <b>750 V</b>                                                                                                                                                                |
| Insulation resistance           | <b>5000 M.Ohms</b>                                                                                                                                                          |
| Other                           | <b>Amplitude stability typ. (dB) 0,05 @ 40GHz</b><br><b>Phase with flexure stability typ. 4,8° @ 40GHz</b><br><b>Note: Max IL are indicative only when superior to 40dB</b> |

## MECHANICAL CHARACTERISTICS

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Cable Outer diameter   | <b>7.29 mm Max   0.287 inch</b>                                                     |
| Static bending radius  | <b>25.0 mm   0.98 inch</b>                                                          |
| Dynamic bending radius | <b>50.0 mm   1.97 inch</b>                                                          |
| Other                  | <b>Flexure life cycle &gt; 20,000</b><br><b>Mating cycles durability &gt; 5,000</b> |

## ENVIRONMENTAL CHARACTERISTICS

|                   |                   |
|-------------------|-------------------|
| Temperature range | <b>-55 +125°C</b> |
| Fire resistance   | <b>Yes</b>        |
| RoHS              | <b>Yes</b>        |