

|          |                         |                             |                                    |
|----------|-------------------------|-----------------------------|------------------------------------|
| PAGE 1/1 | ISSUE <b>18/12/2019</b> | SERIES <b>TestPro Cable</b> | PART NUMBER <b>1800920921829PJ</b> |
|----------|-------------------------|-----------------------------|------------------------------------|

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 plug - passivated stainless steel - P/N: R127801321</b> |
| Connector Right | <b>SMA 2.9 - straight plug - passivated stainless steel - P/N: R127801321</b> |
| Assembly Length | <b>1829 mm / 72.01 inch (tolerance = ± 2%)</b>                                |
| Assembly Weight | <b>334.35 gr / 11.79 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>5.58 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>6.18 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>1000 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>        |