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 ISSUE **12/07/2021**

 SERIES **TestPro Cable**

 PART NUMBER **1801171170914KE**

 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 3.5 - straight plug - passivated stainless steel - P/N: R127900001</b>
Connector Right	<b>SMA 3.5 - straight plug - passivated stainless steel - P/N: R127900001</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>26.5 GHz</b>
Assembly Typ Insertion Loss	<b>2.39 dB (at 20 °C, at 26.5 GHz )</b>
Assembly Typ VSWR	<b>1.30 (at 26.5 GHz )</b>
Assembly Max. Insertion Loss	<b>2.63 dB (at 20 °C, at 26.5 GHz )</b>
Assembly Max VSWR	<b>1.35 (at 26.5 GHz )</b>
Assembly Max Return Loss	<b>16.5 dB (at 26.5 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> <b>Phase with flexure stability typ. 4,8° @ 40GHz</b> <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> <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>

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