

PAGE 1/1

ISSUE **22/10/2024**

SERIES **Flexible Low Loss**

PART NUMBER **2501811810900ZT**

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



## DESIGNATION

Cable	<b>2.9mm ePTFE - solid cc - P/N - SHF2.9M/67</b>
Connector Left	<b>1.85 mm - straight plug - passivated stainless steel - P/N: R327900041</b>
Connector Right	<b>1.85 mm - straight plug - passivated stainless steel - P/N: R327900041</b>
Assembly Length	<b>900 mm / 35.43 inch (tolerance = <math>\pm 2\%</math>)</b>
Assembly Weight	<b>37.10 gr / 1.31 oz (tolerance = <math>\pm 5\%</math>)</b>

## ELECTRICAL CHARACTERISTICS

Characteristic impedance	<b>50 Ohms</b>
Max operating frequency	<b>67.0 GHz</b>
Assembly Typ Insertion Loss	<b>5.99 dB (at 20 °C, at 67.0 GHz )</b>
Assembly Typ VSWR	<b>1.45 (at 67.0 GHz )</b>
Assembly Max. Insertion Loss	<b>6.97 dB (at 20 °C, at 67.0 GHz )</b>
Assembly Max VSWR	<b>1.50 (at 67.0 GHz )</b>
Assembly Max Return Loss	<b>14.0 dB (at 67.0 GHz )</b>
Phase stability vs. Temp	<b>4° / m / GHz (-55° / +100°C)</b>
Dielectric withstanding voltage	<b>500 V</b>
Insulation resistance	<b>5000 M.Ohms</b>
Other	<b>Note: Max IL are indicative only when superior to 40dB</b>

## MECHANICAL CHARACTERISTICS

Cable Outer diameter	<b>2.9 mm Max   0.114 inch</b>
Static bending radius	<b>25.0 mm   0.98 inch</b>
Dynamic bending radius	<b>50.0 mm   1.97 inch</b>

## ENVIRONMENTAL CHARACTERISTICS

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