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ISSUE **12/07/2021**

SERIES **TestPro VNA Series**

PART NUMBER **VB01581560965TF**

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

Armored VNA cable - 50,000 flexlife

Phase Stability ( $\pm$ degree @ 50 GHz): 3.5 Typ. / 7.5 Max.  
Amplitude Stability (dB @ 50 GHz): 0.03 Typ. / 0.08 Max.



DESIGNATION

Cable	<b>VNA cable - P/N - VNA cable type VB</b>
Connector Left	<b>2.4 mm - NMD female - Stainless steel - P/N: R327232131</b>
Connector Right	<b>2.4 mm - Straight jack - Stainless steel - P/N: R327232121</b>
Assembly Length	<b>965 mm / 37.99 inch (tolerance = <math>\pm</math> 2%)</b>
Assembly Weight	<b>374.13 gr / 13.20 oz (tolerance = <math>\pm</math> 5%)</b>

ELECTRICAL CHARACTERISTICS

Characteristic impedance	<b>50 Ohms</b>
Max operating frequency	<b>50.0 GHz</b>
Assembly Typ Insertion Loss	<b>5.38 dB (at 20 °C, at 50.0 GHz )</b>
Assembly Typ VSWR	<b>1.38 (at 50.0 GHz )</b>
Assembly Max. Insertion Loss	<b>6.27 dB (at 20 °C, at 50.0 GHz )</b>
Assembly Max VSWR	<b>1.43 (at 50.0 GHz )</b>
Assembly Max Return Loss	<b>15.0 dB (at 50.0 GHz )</b>
Dielectric withstanding voltage	<b>500 V</b>
Insulation resistance	<b>5000 M.Ohms</b>
Other	<b>Typical amplitude stability (dB) 0,03 @ 50GHz / 0,04 @ 67GHz</b> <b>Typical phase stability 3,5° @50GHz / 5,5° @ 67GHz</b> <b>Note: Max IL are indicative only when superior to 40dB</b>

MECHANICAL CHARACTERISTICS

Cable Outer diameter	<b>14.1 mm Max   0.555 inch</b>
Static bending radius	<b>50.0 mm   1.97 inch</b>
Dynamic bending radius	<b>100.0 mm   3.94 inch</b>
Other	<b>Flexure life cycle &gt; 50,000</b> <b>Mating cycles durability &gt; 5,000</b>

ENVIRONMENTAL CHARACTERISTICS

Temperature range	<b>Lab conditions 23<math>\pm</math>5°C</b>
Fire resistance	<b>Yes</b>
RoHS	<b>Yes</b>