

PAGE 1/1

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

ELECTRICAL CHARACTERISTICS

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

MECHANICAL CHARACTERISTICS

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

ENVIRONMENTAL CHARACTERISTICS

Temperature range	Lab conditions 23$\pm$5°C
Fire resistance	Yes
RoHS	Yes