PAGE 1/1	ISSUE **12/07/2021**	SERIES **TestPro VNA Series**	PART NUMBER **VB01621590965ZT**

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

Armored VNA cable - 50,000 flexlife

Phase Stability (±degree @ 67 GHz): 5.5 Typ. / 10 Max.
Amplitude Stability (dB @ 67 GHz): 0.04 Typ. / 0.1 Max.



DESIGNATION

Cable	**VNA cable - P/N - VNA cable type VB**
Connector Left	**1.85 mm - NMD female - Stainless steel - P/N: R327920031**
Connector Right	**1.85 mm - Straight plug - Stainless steel - P/N: R327900061**
Assembly Length	**965 mm / 37.99 inch (tolerance = ± 2%)**
Assembly Weight	**366.13 gr / 12.91 oz (tolerance = ± 5%)**

ELECTRICAL CHARACTERISTICS

Characteristic impedance	**50 Ohms**
Max operating frequency	**67.0 GHz**
Assembly Typ Insertion Loss	**6.38 dB (at 20 °C, at 67.0 GHz)**
Assembly Typ VSWR	**1.45 (at 67.0 GHz)**
Assembly Max. Insertion Loss	**7.43 dB (at 20 °C, at 67.0 GHz)**
Assembly Max VSWR	**1.50 (at 67.0 GHz)**
Assembly Max Return Loss	**14.0 dB (at 67.0 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±5°C**
Fire resistance	**Yes**
RoHS	**Yes**

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