

PAGE 1/1

ISSUE **12/07/2021**

SERIES **TestPro VNA Series**

PART NUMBER **VB01581560635TF**

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

Armored VNA cable - 50,000 flexlife

Phase Stability (\pm degree @ 50 GHz): 1.5 Typ. / 4.5 Max.
Amplitude Stability (dB @ 50 GHz): 0.01 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 | 635 mm / 25.00 inch (tolerance = \pm 2%) |
| Assembly Weight | 281.07 gr / 9.91 oz (tolerance = \pm 5%) |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------------------|---|
| Characteristic impedance | 50 Ohms |
| Max operating frequency | 50.0 GHz |
| Assembly Typ Insertion Loss | 3.70 dB (at 20 °C, at 50.0 GHz) |
| Assembly Typ VSWR | 1.38 (at 50.0 GHz) |
| Assembly Max. Insertion Loss | 4.29 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) 0,01 @ 50GHz / 0,02 @ 67GHz Typical phase stability 1,5° @50GHz / 4,5° @ 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\pm5°C |
| Fire resistance | Yes |
| RoHS | Yes |