

PAGE 1/1

ISSUE **12/07/2021**

SERIES **TestPro Cable**

PART NUMBER **0100290010610GX**

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



DESIGNATION

Cable	Measurement cable - P/N - TestPro 4.2
Connector Left	N 18 - straight plug - passivated stainless steel - P/N: M163064C00
Connector Right	SMA - straight plug - passivated stainless steel - P/N: M125064C00
Assembly Length	610 mm / 24.02 inch (tolerance = ± 2%)
Assembly Weight	79.60 gr / 2.81 oz (tolerance = ± 5%)

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50 Ohms
Max operating frequency	18.0 GHz
Assembly Typ Insertion Loss	1.59 dB (at 20 °C, at 18.0 GHz)
Assembly Typ VSWR	1.25 (at 18.0 GHz)
Assembly Max. Insertion Loss	1.74 dB (at 20 °C, at 18.0 GHz)
Assembly Max VSWR	1.30 (at 18.0 GHz)
Assembly Max Return Loss	17.7 dB (at 18.0 GHz)
Phase stability vs. Temp	4° / m / GHz (-55° / +100°C)
Dielectric withstanding voltage	1000 V
Insulation resistance	5000 M.Ohms
Other	Amplitude stability typ. (dB) 0,08 @ 18GHz Phase with flexure stability typ. 2,2° @18GHz Note: Max IL are indicative only when superior to 40dB

MECHANICAL CHARACTERISTICS

Cable Outer diameter	4.81 mm Max 0.189 inch
Static bending radius	25.0 mm 0.98 inch
Dynamic bending radius	50.0 mm 1.97 inch
Other	Flexure life cycle > 10,000 Mating cycles durability > 5,000

ENVIRONMENTAL CHARACTERISTICS

Temperature range	-55 +125°C
Fire resistance	Yes
RoHS	Yes

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