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ISSUE **12/07/2021**

SERIES **TestPro Cable**

PART NUMBER **2001441451219TF**

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



DESIGNATION

Cable	Armoured measurement cable - P/N - TestPro 2
Connector Left	2.4 mm - straight plug - Passivated stainless steel - P/N: R327062101
Connector Right	2.4 mm - straight jack - Passivated stainless steel - P/N: R327232101
Assembly Length	1219 mm / 47.99 inch (tolerance = $\pm 2\%$)
Assembly Weight	189.21 gr / 6.67 oz (tolerance = $\pm 5\%$)

ELECTRICAL CHARACTERISTICS

Characteristic impedance	50 Ohms
Max operating frequency	50.0 GHz
Assembly Typ Insertion Loss	6.68 dB (at 20 °C, at 50.0 GHz)
Assembly Typ VSWR	1.38 (at 50.0 GHz)
Assembly Max. Insertion Loss	7.79 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)
Phase stability vs. Temp	4° / m / GHz (-55° / +100°C)
Dielectric withstanding voltage	500 V
Insulation resistance	5000 M.Ohms
Other	Amplitude stability typ. (dB) 0.04 @ 50GHz / 0.05 @ 67GHz Phase with flexure stability typ. 6° @ 50GHz / 8° @ 67GHz Note: Max IL are indicative only when superior to 40dB

MECHANICAL CHARACTERISTICS

Cable Outer diameter	6.2 mm Max 0.244 inch
Static bending radius	25.0 mm 0.98 inch
Dynamic bending radius	50.0 mm 1.97 inch
Other	Flexure life cycle > 20,000 Mating cycles durability > 5,000

ENVIRONMENTAL CHARACTERISTICS

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