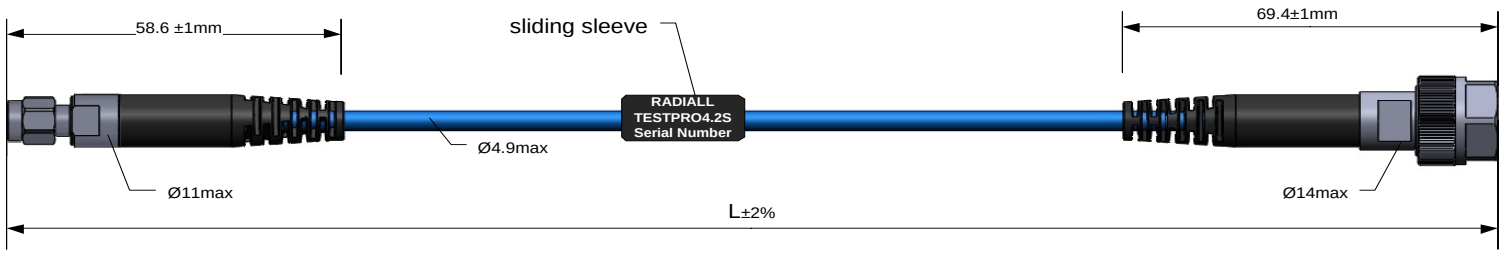
Technical Data Sheet

TestPro4.2S SMAm Nm

PAGE 1/1	ISSUE 25/04/19	SERIES TestPro	PART NUMBER TP4.2S-SMAM-NM-XX

CUSTOMER : All SPECIFICATION : - ISSUE : - DATE -

All dimensions are in mm



Part Number	Overall Length (mm)	Tolerance (mm)
TP4.2S-SMAM-NM-24	610	±12
TP4.2S-SMAM-NM-36	914	±18
TP4.2S-SMAM-NM-48	1220	±24
TP4.2S-SMAM-NM-78	2000	±40

CONNECTORS DESIGNATION

Connector 1: **R125064151**
SMA straight plug
Stainless steel passivated
Torque wrench : 110 N.cm

Connector 2: **R163064151**
N straight plug
Stainless steel passivated
Torque wrench : 170 N.cm

CABLE DESIGNATION **TestPro4.2S**
PROTECTIVE JACKET **-**
OUTER DIAMETER **4,90** mm max
MARKING **White marking on a black sliding heatshrink sleeve**

ELECTRICAL CHARACTERISTICS

Characteristic impedance **50 ±2** Ohms

Frequency band : **DC-18** GHz

Part Number	Length (mm)	Max insertion loss (dB) at 20°C	Max VSWR at 20°C
TP4.2S-SMAm-Nm-24	610	1,92	1,30 : 1
TP4.2S-SMAm-Nm-36	914	2,72	1,30 : 1
TP4.2S-SMAm-Nm-48	1220	3,52	1,30 : 1
TP4.2S-SMAm-Nm-78	2000	5,57	1,30 : 1

Phase stability with bending (*) **<3,06** ° **at 18GHz**
Stabilité de phase en enroulement

Attenuation stability with bending (*) **<0.05** dB **at 18GHz**
Stabilité de pertes en enroulement

(*) Test done according to IEC60966-1. Cable is submitted to 5 windings 360° clockwise on a 100mm mandrel. Measurement is done after 5 windings.

MECHANICAL CHARACTERISTICS

Static bending radius : **25** mm

Dynamic bending radius : **50** mm

Life (Connectors) : **5 000** Cycles

ENVIRONMENTAL CHARACTERISTICS

Temperature range : **-55°C to +105°C**

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