Technical Data Sheet

2 SMA STRAIGHT PLUG Semi Rigid .034" Niobium-Titanium Inner & Outer conductor

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CUSTOMER : -

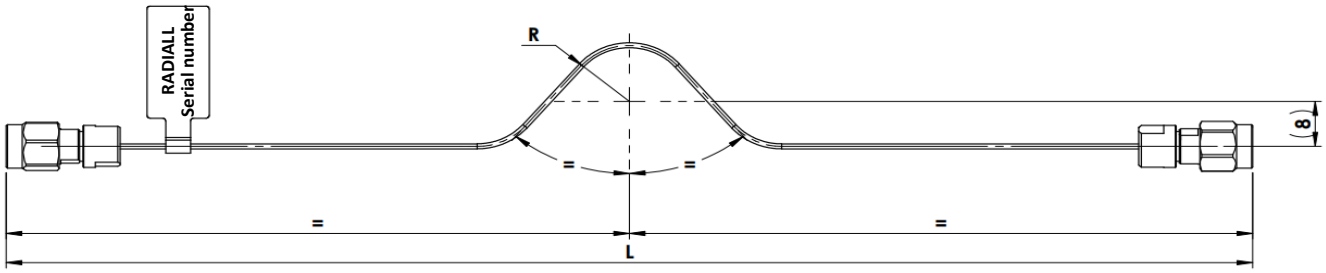
SPECIFICATION : Inside of the cryogenic Fridge
Recommended shape for 10mK application

ISSUE : -

DATE: -

All dimensions are in mm

For more details, please see connectors TDS



Part number	Length (L)	Bending Radius	Marking
R294C2312011	100 mm	10 mm	The marking can be change on specific customer requests
R294C2312012	200 mm	10 mm	
R294C2312013	450 mm	20 mm	

Length "L" between 100mm and 450mm adjustable according to customer request.

CONNECTORS DESIGNATION

Connector 1: **R125052C10**
SMA Straight Plug Solderless
Beryllium Copper NPGR
Torque wrench : 100 N.cm

Connector 2: **R125052C10**
SMA Straight Plug Solderless
Beryllium Copper NPGR
Torque wrench : 100 N.cm

CABLE DESIGNATION **Semi Rigid .034" Niobium-Titanium Inner & Outer conductor**
PROTECTIVE JACKET
OUTER DIAMETER **0,94** mm max
MARKING **Black marking on white label (to be removed before installation)**

ELECTRICAL CHARACTERISTICS

Characteristic impedance **50** Ohms

Frequency band : **DC - 18** GHz

Dielectric Withstanding Voltage: **750** Veff

Insulation Resistance **5000** Mohms

MECHANICAL CHARACTERISTICS

Recommanded bending radius : **10** mm
For lower bending radius requierment please ask

Min. Dynamic bending radius : **N/A** mm

Life (Connectors) : **100** Cycles

ENVIRONMENTAL CHARACTERISTICS

Temperature range : **Tested at 10mk**
RoHS status : **RoHS3 compliant**

In case of difference between the performances announced into the TDS and the customer specification, the TDS is the document of reference for the order.
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