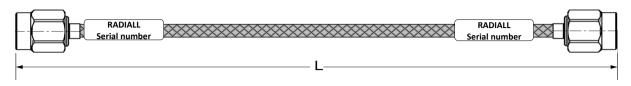
Technical Data Sheet





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CUSTOMER: - SPECIFICATION: Outside of the cryogenic Fridge ISSUE: - DATE:
All dimensions are in mm
For more details, please see connectors TDS



Part number	Length (L)	tolerance	Marking	Cable assembly Shape
R294C2312020	250 mm	± 5	The marking can be change on specific customer requests o	Cable assemblies can be bent on specific customer request.
R294C2312021	500 mm	± 10		
R294C2312022	1000 mm	± 20		

Other length -> to be validated by the Engineering department.

CONNECTORS DESIGNATION Connector 1: R124052013 Connector 2: R124052013

SMA-COM Straight Plug Solder type SMA-COM Straight Plug Solder type

Brass BBR
Torque wrench : NA
Brass BBR
Torque wrench : NA
Torque wrench : NA

CABLE DESIGNATION HAND-FORMABLE CABLE UNJACKETED .085

PROTECTIVE JACKET

OUTER DIAMETER 2,26 mm max

MARKING Black marking on white heatshrink sleeve

ELECTRICAL CHARACTERISTICS

Characteristic impedance 50 Ohms

Frequency band : DC - 18 GHz

Dielectric Withstanding Voltage: 750 Veff

Insulation Resistance 5000 Mohms

Max insertion loss :

Part number	Max Insert loss		
R294C2312020	1,40 dB	at 18GHz at 20°C	
R294C2312021	2,45 dB	at 18GHz at 20°C	
R294C2312022	4,60 dB	at 18GHz at 20°C	

Max return loss:

Part number		Max return loss
R294C2312020	1,25 :1	(-19,09 dB) in the frequency band DC - 18GHz
R294C2312021	1,25 :1	(-19,09 dB) in the frequency band DC - 18GHz
R294C2312022	1,25 :1	(-19,09 dB) in the frequency band DC - 18GHz

MECHANICAL CHARACTERISTICS

Min. Static bending radius : 6 mm

Min. Dynamic bending radius : 9,5 mm

Life (Connectors): 100 Cycles

ENVIRONMENTAL CHARACTERISTICS

Temperature range : -65 to +105 °C