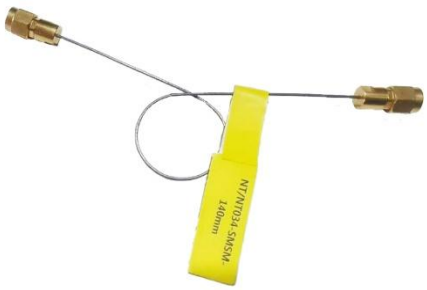
Suzhou Talent Microwave,Inc
sales@talentmw.com
www.talentmw.com

0.86mm NbTi/CuNi cryogenic Cable Assemblies

G034NTCN /SMA Male / SMA Male/DC-18 GHz Model: G034NTCN-SMAMSMAM-L



Features:

- Max Frequency 18 GHz
- VSWR max of 1.35

Applications:

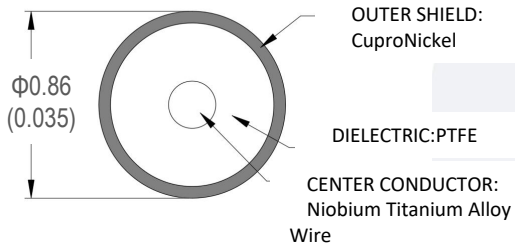
- Dilution refrigerators/Cryogenic devices
- Quantum Computing
- Vacuum Chambers

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR		1.25	1.35	:1
Shielding Effectiveness	110			dB
Capacitance			95.2	pF/m
Impedance		50		ohm

Cable Cross Section:





Envrionmental And Physical Characteristics:

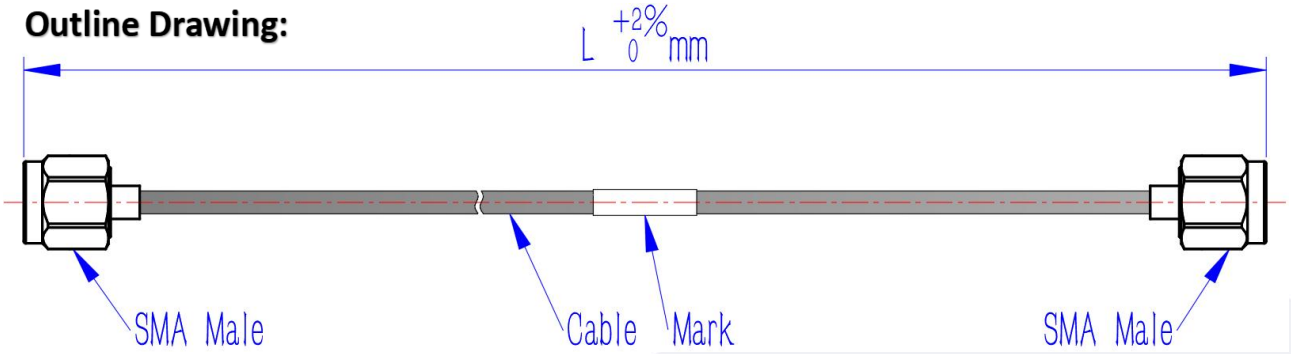
Description	Parameter	Units
Cable Diameter	0.86	mm
Min. Bending Radius	3.2	mm
Thermal conductivity@4-20K	31	μw/k
Operating Temerature	mK To +200	℃
Storage Temerature	-55 to +85	℃

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Connectors:

Description	Connector 1	Connector 2
Type	SMA Straight Male	SMA Straight Male
Contact Matericl And Plating	Non-magnetic beryllium bronze	Non-magnetic beryllium bronze
Dielectric Type	PTFE	PTFE
Body Matericl And Plating	Non-magnetic beryllium bronze	Non-magnetic beryllium bronze
Insertion Loss (dB Max)	0.05*Sqrt(f_GHz)	0.05*Sqrt(f_GHz)

Outline Drawing:



Ordering Information:

Base Number	Lenth (Unit mm)	Custom Design Services
G034NTCN-SMAMSMAM	**-L**	**LEAVE BLANK(NOT REQUIRED) -CB(Precision CNC Bends)**