

High-density Cable Assembly

24-WAY $\phi 0.85\text{mm}$ Silver Plated Cupronickel Inner / Cupronickel Outer/ SSMP Female /SSMP Female

Model: TL24-G034CNCN-SSMPFSSMPF-L

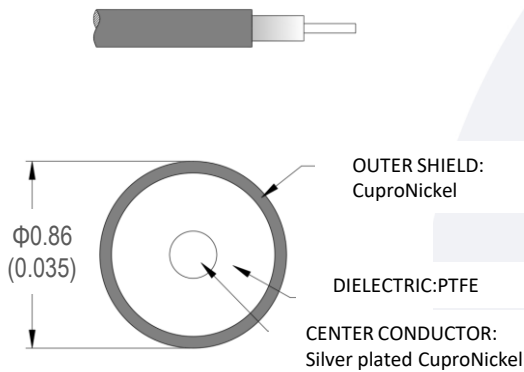
Features:

- Max Frequency 20 GHz
- VSWR max of 1.35
- Velocity of Propagation of 70%

Electrical Characteristics:

Parameter	Min	Typ	Max	Units
Frequency Range	DC		20	GHz
VSWR		1.3	1.35	:1
Velocity of propagation		70%		
Shielding Effectiveness	110			dB
Capacitance			98	pF/m

Cable Cross Section:



Envrionmental And Physical Characteristics:

Description	Parameter	Units
Cable Diameter	0.86	mm
Outer Conductor	cupronickel	
Min. Bending Radius	5	mm
Operating Temerature	10mK to 300	K
Storage Temperature	-55 to +165	°C

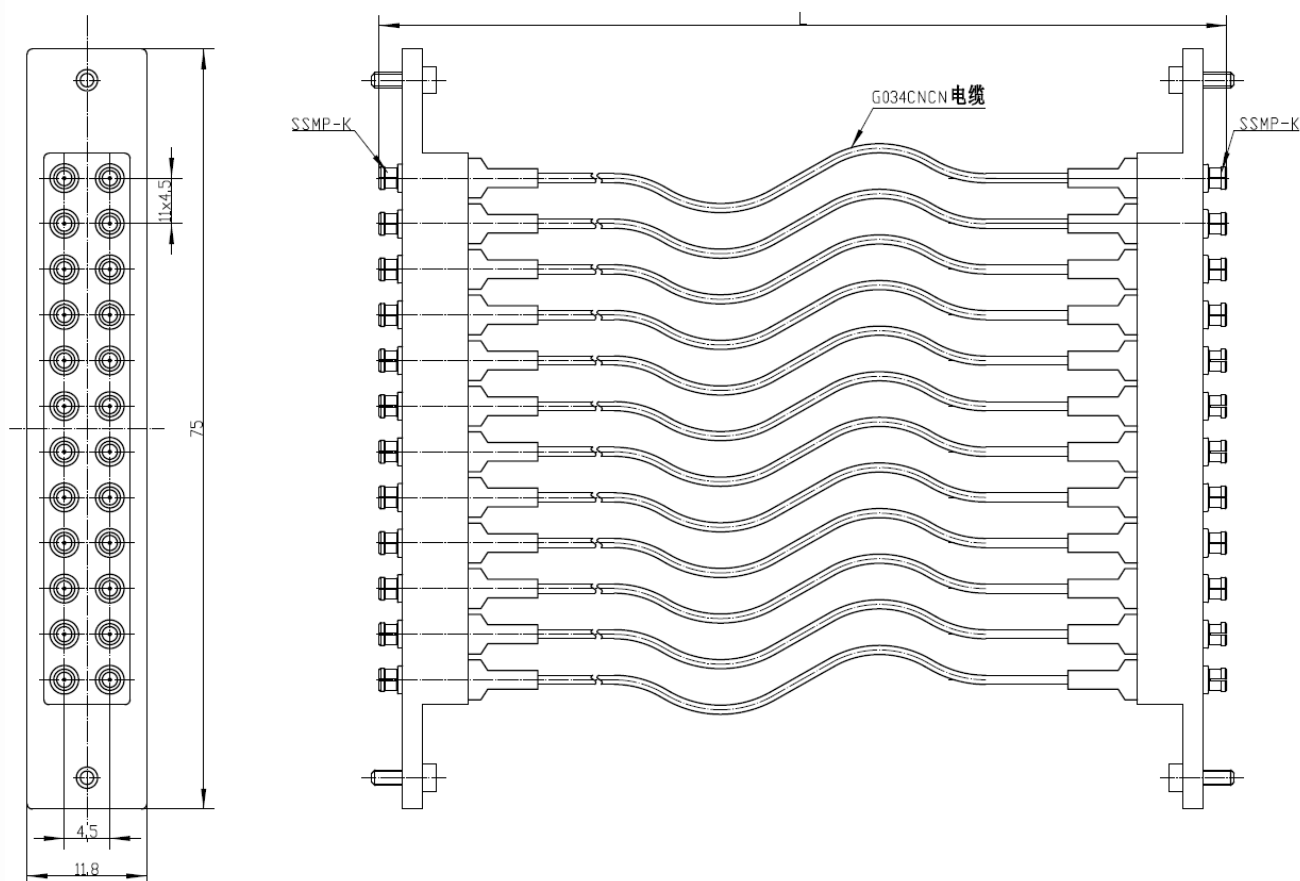
Cable Performance By Frequency

Frequency	0.5 GHz	1 GHz	5 GHz	10 GHz	18 GHz	20 GHz
Insertion Loss (dB/m Max)	2.07	2.81	6.26	8.9	12.33	12.59
RF Power CW (W Max.)	30.5	21.5	9.5	6.6	5.8	4.6

Connectors:

Description	Connector 1	Connector 2
Type	SSMP Straight Female	SSMP Straight Female
Contact Material And Plating	Beryllium Copper,Gold	Beryllium Copper,Gold
Dielectric Type	PEI/PTFE	PEI/PTFE
Body Material And Plating	Beryllium Copper,Gold	Beryllium Copper,Gold
Insertion Loss (dB Max)	$0.05 * \sqrt{f_GHz}$	$0.05 * \sqrt{f_GHz}$

Outline Drawing:



Ordering Information:

Base Number	Lenth (Unit meters)	Phase/delay Matched
TL24-G034CNCN-SSMPF SSMPF	-L	LEAVE BLANK(NOT REQUIRED) -XXPS($\leq \pm XX$ PS) -XX°($\pm XX^\circ$)

Typical Performance Data:

Model:TL24-G034CNCN-SSMPFSSMPF-1000mm

Frequency	1 GHz		5 GHz		10 GHz		18 GHz		20 GHz	
	Typ	Max	Typ	Max	Typ	Max	Typ	Max	Typ	Max
Insertion Loss	/	2.91	/	6.49	/	9.22	/	12.76	/	13.04
VSWR	1.02	1.05	1.05	1.10	1.15	1.20	1.25	1.3	1.3	1.35