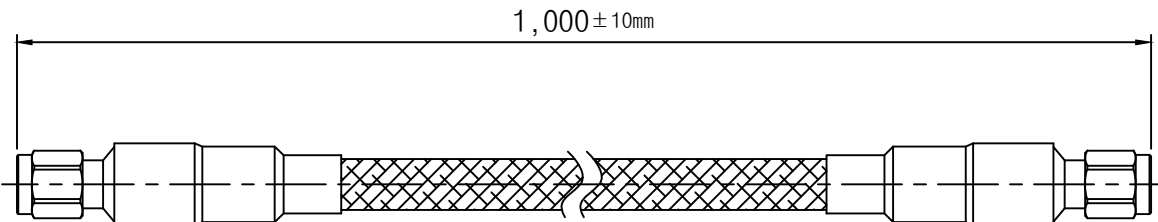
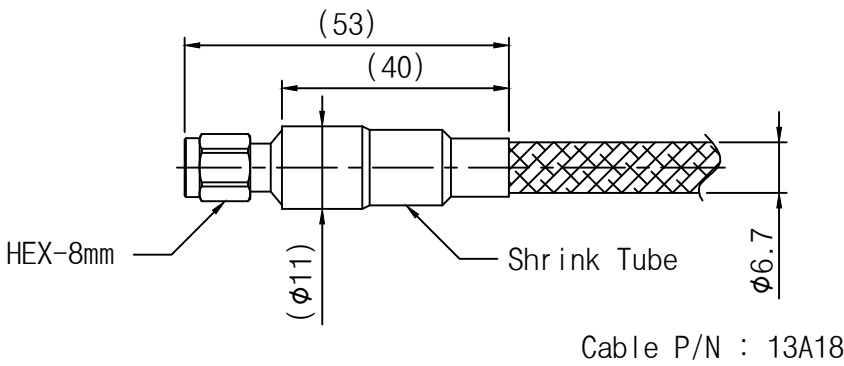


Rev. No	Description	E.C.O	Date



Connector P/N : SMA(M)_ST18_01



Specifications	Materials(Cable)
MIL-C-17 : Cable MIL-PRF-39012 : Connectors MIL-G-45204 : Gold Plating, Electrodeposited MIL-I-23053 : Insulation Sleeving etc. MIL-P-46179 : Plastic Molding etc. MIL-R-46198 : Resin, Polyimide etc.	1. Cable Center Conductor Solid SPC (ASTM B 298) 2. Cable Dielectric Low Density PTFE in accordance with the applicable paragraph of MIL C 17
Military Standards MIL-STD-202 : Test Method MIL-STD-810 : Test Method for Environmental MIL-STD-1344 : Test Method for Connectors	3. Cable Inner Shield SPC Flat Wire (ASTM B 298) 4. Cable Outer Shield SPC Round Wire (ASTM B 298)
Materials(Connector)	5. Cable Jacket Ruggedized Aramid Yarn

Materials(Connector)	Cable Constriction
1. Body Stainless Steel (ASTM A 582), Passivated Brass (C3604)(ASTM B 16), Au Plated 2. Center Conductor Brass (C3604)(ASTM B 16), Au Plated 3. Insulator PTFE (ASTM D 1710) PEI0113 (ASTM D 5205) 4. Coupling Nut Stainless Steel (ASTM A 582), Passivated	

Insertion loss graph(Cable)	Electrical Characteristics (Cable)
<p>Insertion Loss per meter[m] Cable : 13A18 / 13S18 / 13F18</p>	<ol style="list-style-type: none"> Impedance : 50 Ohm Capacitance : 88 pF/m, 26.8 pF/ft Velocity of Propagation : 77 % Delay : 4.34 ns/m, 1.32 ns/ft Insertion Loss : -1.25dB/m @18GHz Typ. -1.38dB/m @18GHz Min. RF Leakage : -100dB

Mechanical Characteristics (Cable)
<ol style="list-style-type: none"> Minimum Bend Radius : 30mm Temperature Range : -50°C / +135°C Weight Nominal : 81.4 g/m

Electrical Characteristics (Connector)
<ol style="list-style-type: none"> Impedance : 50 Ohm Frequency : DC to 18GHz VSWR : 1.13 : 1 @18GHz Typ. 1.23 : 1 @18GHz Max. Insertion Loss : -0.10dB/EA @18GHz RF Leakage : -100dB



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	Ass'y Name	SMA(m) for 13A18			Ass'y No.	SMA(M)_ST18_01-13A18-SMA(M)_ST18_01-1.0M			Size	-	Date	-	Name	Signature			
	Common Tolerance	Seismic Center	○	±0.03	Group 1	Group 2	Group 3	Drawing No.	-			Material	Approved By	JM_PARK			
		Cylinder	⊗	±0.03		Entry	X		X.X	X.XX	Scale		N/S	Revision No.	-	Checked By	SW_HAN
		Coaxiality	⊙	±0.03		Tolerance	±0.3		±0.2	±0.1	Projection			Sheet Size	A4	Designed By	JH_KANG
		Concentric	⊖	±0.03		Angle	±3.0°		±2.0°	±1.0°	Unit		mm	Sheet	1 of 1		
General External																	