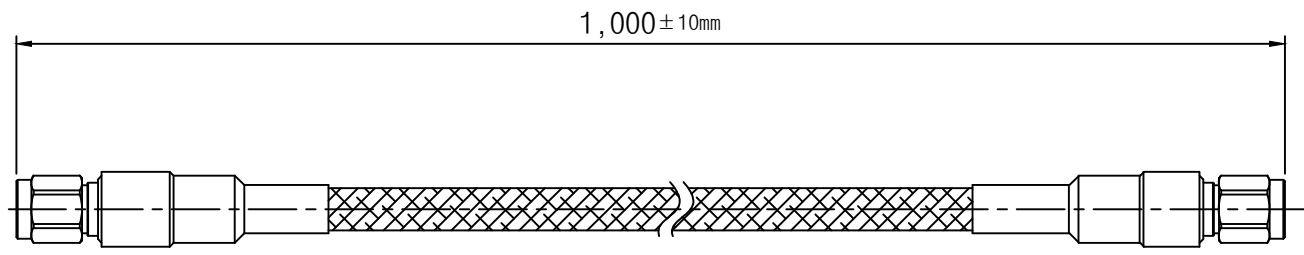
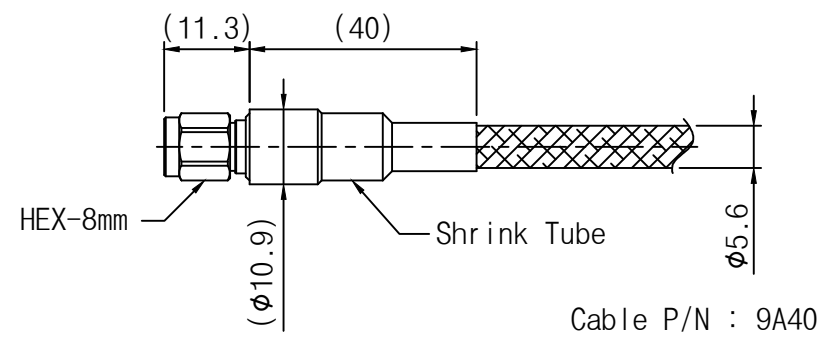


Rev. No	Description	E.C.O	Date



Connector P/N : K(M)_ST40_01



Cable P/N : 9A40



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) 1. Body Stainless Steel (ASTM A 582), Passivated Brass (C3604)(ASTM B 16), Au Plated 2. Center Conductor BeCu (C1730)(ASTM B 16), Au Plated 3. Insulator PEI0113 (ASTM D 5205) 4. Coupling Nut Stainless Steel (ASTM A 582), Passivated	5. Cable Jacket Ruggedized Aramid Yarn
Cable Constriction	
Insertion loss graph(Cable)	Electrical Characteristics (Cable)
<p>Insertion Loss per meter[m] Cable : 9A40 / 9540</p> <p>Insertion Loss per feet[FT] Cable : 9A40 / 9540</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 : -2.60dB/m @40GHz Typ. -2.86dB/m @40GHz Min. RF Leakage : -100dB
Mechanical Characteristics (Cable)	
<ol style="list-style-type: none"> Minimum Bend Radius : 25mm Temperature Range : -50°C / +135°C Weight Nominal : 48.6 g/m 	
Electrical Characteristics (Connector)	
<ol style="list-style-type: none"> Impedance : 50 Ohm Frequency : DC to 40GHz VSWR : 1.19 : 1 @40GHz Typ. 1.31 : 1 @40GHz Max. Insertion Loss : -0.10dB/EA @40GHz RF Leakage : -100dB 	

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	Ass'y Name	2.92mm(m) for 9A40			Ass'y No.	K(M)_ST40_01-9A40-K(M)_ST40_01-1.0M			Size	-	Date	-	Name	Signature
	Common Tolerance	Seismic Center	○	±0.03	Entry	Group 1	Group 2	Group 3	Drawing No.	-			Approved By	JM_PARK
		Cylinder	⊗	±0.03		X	X.X	X.XX	Scale	N/S			Checked By	SW_HAN
		Coaxiality	⊙	±0.03		Tolerance	±0.3	±0.2	±0.1	Projection				Designed By
Concentric	⊖	±0.03	Angle	±3.0°	±2.0°	±1.0°	Unit	mm	Sheet	1 of 1	General External			