



**Construction:** **OD (In.)**

1) Conductor:	Stranded 26(7) Silver Plated Copper	0.021 +/- 0.001"
2) Dielectric:	Solid PTFE	0.063 +/- 0.005"
3) Inner Braid:	Flat Silver Plated Copper 90% min coverage	0.071 +/- 0.005"
4) Outer Braid:	Round Silver Plated Copper 90% min. coverage	0.085 +/- 0.005"
5) Jacket:	Solid Bright Sky Blue 105C PVC	0.115 +/- 0.005"
Surface Print:	"Harbour Industries SBF405-105Flex"	

**Physical Characteristics:**

1) Weight per 1000 ft:	13.0 lbs nom.
2) Minimum bend radius:	0.625 inches
3) Minimum continuous length:	50 ft
4) Operating temperature range:	-40C + 105° C
5) RoHS compliance:	Complies with RoHS (Directive 2002/95/EC)

**Electrical Characteristics:** **Test Method:**

1) Impedance:	50.0 +/- 2 ohms	1) Test Points:	801
2) Capacitance:	29.0 pF/Ft nom.	2) IF Band Width:	35 KHz
3) Velocity of Propagation:	70.0% nom.	3) Sweep Time:	6 Sec
4) VSWR (Max 400 Mhz to 18 Ghz):	1.35:1 (Gated)	4) Test Length:	10 ft
5) Attenuation (dB/100 ft):		5) Connector Type:	Male SMA plug
Freq. (GHz)	Typical    Max	6) Sampling Plan:	Per Mil-STD-105
0.40	14.5    16.0	7) k1 = 0.705	
1.00	23.3    25.6	k2 = 0.00099	
3.00	41.6    45.8		
5.00	54.8    60.3		
10.00	80.4    88.4		
18.00	112.4   123.6		

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Approved By:					
Date:	7/29/13				
Scale:	None				
Part Number:	H7914	Rev:		Sheet:	1 of 1
Drawing Name:	SBF405-105Flex			Drawing Number:	100609_145