



Construction:

OD (In.)

1) Conductor:	Stranded 20(7) Silver Plated Copper	0.0376 +/- 0.001"
2) Dielectric:	Solid PTFE	0.117 +/-0.005"
3) Inner Braid:	Flat Silver Plated Copper 90% coverage	0.124 +/- 0.005"
4) Outer Braid:	Round Silver Plated Copper 90% min. coverage	0.138 +/- 0.005"
5) Jacket:	Solid Bright Sky Blue 105C PVC	0.168 +/- 0.005"
Surface Print:	"Harbour Industries SBF402-105Flex"	

Physical Characteristics:

1) Weight per 1000 ft:	29.0 lbs nom.
2) Minimum bend radius:	1.0 inches
3) Minimum continuous length:	50 ft
4) Put-up:	12" x 6" Plastic, multiple length spools
5) RoHS compliance:	Complies with RoHS (Directive 2002/95/EC)
6) Operating temperature range:	-40C + 105° C

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	7.4	9.0	7) k1= (0.319, k2= (0.001179)	
1.00	11.9	14.5		
3.00	21.0	24.1		
5.00	28.5	32.8		
10.00	43.7	50.0		
18.00	64.0	73.5		

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Approved By:		Part Number:	Rev:	Sheet:
Date:	7/29/13	H7915		1 of 1
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Drawing Name:		SBF402-105Flex	Drawing Number:	
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