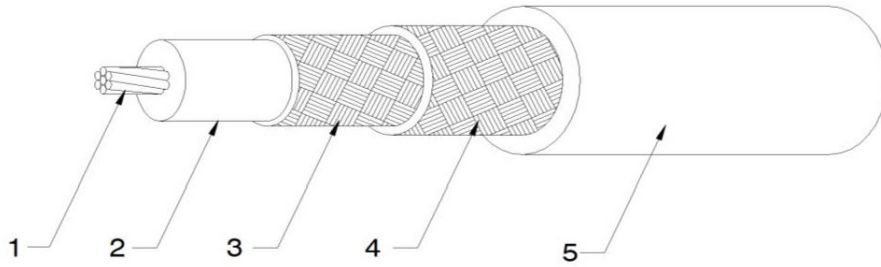


Rev:	Change:	By:	Date:
B	Update print legend	K. LaVallee	6/22/2016



Construction:

OD (In.)

1) Conductor:	30 AWG 7/38 Silver Plated Copper Clad Steel	0.012" +/- 0.001"
2) Dielectric:	Extruded PTFE	0.033" nom.
3) Inner Shield:	Round Silver Plated Copper 95% coverage	0.049" nom.
4) Outer Braid:	Round Tin Plated Copper 95% min. coverage	0.065" nom.
5) Jacket:	Brown Tint FEP	0.086 +/- 0.005"
Surface Print:	6" Intervals	
Legend:	"RG178DS HARBOUR INDUSTRIES"	

Physical Characteristics:

1) Weight per 1000 ft:	9.0 lbs nom.
2) Minimum bend radius:	0.42 inches
3) Minimum continuous length:	50 ft
4) Operating temperature range:	-55C + 150 °C
5) RoHS compliance:	Complies with RoHS (Directive 2002/95/EC)

Electrical Characteristics:

Test Method:

1) Impedance:	50 +/- 2 ohms	1) Connector Type:	Male SMA plug
2) Capacitance:	28.8 pF/Ft nom.	2) Sampling Plan:	Per Mil-STD-105
3) Velocity of Propagation:	69.5 % nom.		
4) Time Delay:	1.45 ns/ft nom.		
5) Shielding Effectiveness:	75 dB nom.		
6) Attenuation (dB/100 ft):			
Freq. (GHz)	Typical	Max	
.050	9.8	11.6	
.400	29.0	33.0	
1.00	47.8	52.0	
3.00	89.2	94.0	
6.00	135.2	149.0	

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Approved By:	S. Dike						
Date:	3/16/16	Part Number:	H9031	Rev:	B	Sheet:	1 of 1
Scale:	None	Drawing Name:				Drawing Number:	
RG178 Double Shield SCTC						100609_243	