

I. MATERIALS AND FINISHES:
FAKRA SMB PLUG: BODY - ZINC ALLOY, NICKEL PLATING
 CENTER CONTACT - BERYLLIUM COPPER, GOLD PLATING
AMC PLUG: BODY - PHOSPHOR BRONZE, SILVER PLATING
 CENTER CONTACT - PHOSPHOR BRONZE, GOLD PLATING
CABLE: 1.37MM MICRO-COAX

3. MECHANICAL:
A. RECOMMENDED LOCKWASHER TORQUE: 1.13 N-M [10 IN-LBS]

Technical drawing of a circular part. The drawing shows a circle with a horizontal centerline and a vertical centerline. A dimension line above the circle indicates a width of 5.70. A dimension line to the right of the circle indicates a diameter of $\varnothing 6.50$.

A diagram of a cable with a connector on one end and a plug on the other. The connector is a multi-pin connector, and the plug is a standard electrical plug.

Diagram illustrating the assembly components and dimensions:

- INTERFACE: FAKRA SMB PLUG
- GASKET
- LOCK WASHER
- 8MM HEX NUT
- 12.70 REF
- HEAT SHRINK TUBE
- LENGTH "L" (SEE TABLE)
- INTERFACE: AMC R/A PLUG

PART NUMBER TABLE	
PART NUMBER	LENGTH "L" MM [IN]
95-820-109-05Y	50.00±5.00 [1.97±.20]
95-820-109-10Y	100.00±5.00 [3.94±.20]
95-820-109-15Y	150.00±5.00 [5.91±.20]
95-820-109-20Y	200.00±5.00 [7.87±.20]
95-820-109-25Y	250.00±5.00 [9.84±.20]
95-820-109-30Y	300.00±5.00 [11.81±.20]

FAKRA KEY TABLE			
KEY CODE	ASSEMBLY PART #	COLOR	RAL NO.
A	95-820-109-XXA	JET BLACK	9005
B	95-820-109-XXB	CREAM	9001
C	95-820-109-XXC	SIGNAL BLUE	5005
D	95-820-109-XXD	CLARET VIOLET	4004
E	95-820-109-XXE	LEAF GREEN	6002
F	95-820-109-XXF	NUT BROWN	8011
G	95-820-109-XXG	BLUE GREY	7031
H	95-820-109-XXH	HEATHER VIOLET	4003
I	95-820-109-XXI	BEIGE	1001
K	95-820-109-XXK	CURRY	1027
L	95-820-109-XXL	CARMINE RED	3002
M	95-820-109-XXM	PASTEL ORANGE	3003
N	95-820-109-XXN	PASTEL GREEN	6019
Z	95-820-109-XXZ	WATER BLUE	5021

☒ FREQUENCY: DC TO 6 GHz	☒ CONTINUITY
☒ VSWR : 1.30 MAX @ 2 GHz 1.50 MAX @ 6 GHz	☒ HI-POT :200 VRMS
☐ INS. LOSS ----- dB MAX	☐ OTHER

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°					MATERIAL		DRAWN		DATE		TITLE IP-67 FAKRA STR SMB PLUG TO AMC R/A PLUG ON 1.37MM CABLE, VARIOUS LENGTH				Amphenol RF www.amphenolrf.com			
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					REFERENCE		ENGINEER		DATE									
							B. GREENBAUM		16-OCT-17									
					EAR# 8550		APPROVED		DATE									
					REF: TRUE		S. HSIEH		27-FEB-18									
CONFIGURATION LEVEL: In Work					CAD FILE		SCALE: 3.0:1.0				SHEET 2 OF 2							
FINISH							DWG SIZE				REV							
							B				B							
										DRAWING NO. 95-820-109-XXY								
										ITEM NO. 95-820-109-XXY								
										PART NO. 95-820-109-XXX								