
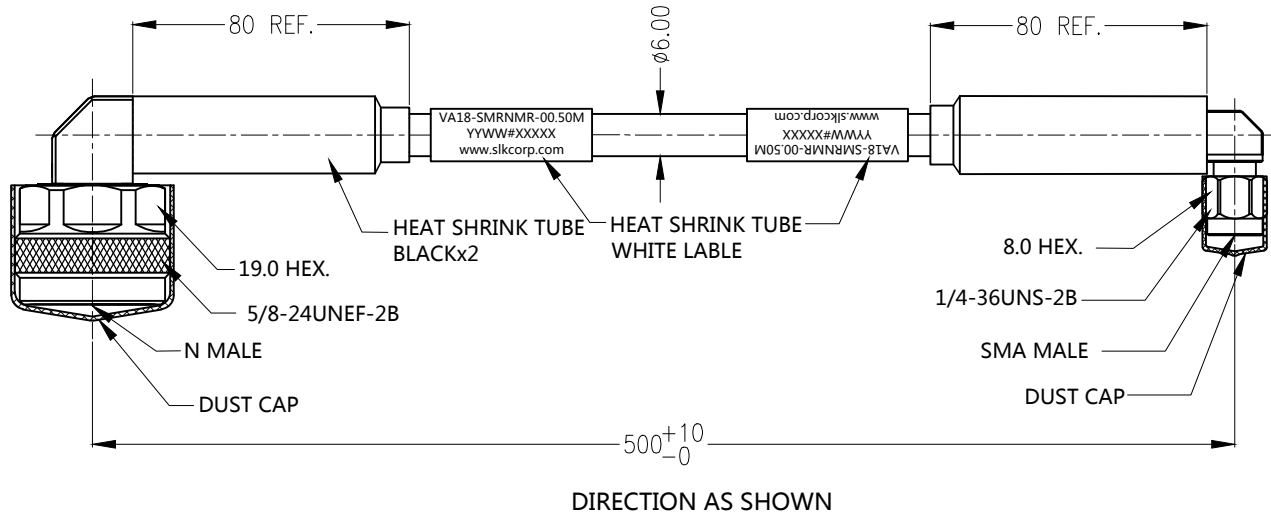


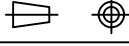
REV.	DESCRIPTION	ECN NO.	NAME	DATE	 ALL PARTS MUST MEET TO RoHS REQUIREMENTS
0	FIRST EDITION	N/A	HRWEI	2020-03-10	
1	UPDATE THE DRAWING	N/A	HRWEI	2020-03-26	



MATERIALS AND PLATING UNIT: MICRO-INCHES				ELECTRICAL CHARACTERISTICS		
PART TYPE	PART NAME	MATERIALS	PLATING	IMPEDANCE	50 Ω	
N R/A MALE	BODY	STAINLESS STEEL	PASSIVATION	VOLTAGE RATING	235 V(rms)	
	INSULATOR	PTFE ASTM-D-1710	N/A	FREQUENCY RANGE	DC ~ 18 GHz	
	CONTACT PIN	BERYLLIUM COPPER	GOLD /COPPER	DIELECTRIC WITHSTANDING VOLTAGE	>750 V	
SMA R/A MALE	BODY	STAINLESS STEEL	PASSIVATION	CONTACT RESISTANCE	CENTER CONTACT	N/A
	INSULATOR	PTFE ASTM-D-1710	N/A		OUTER CONTACT	N/A
	CONTACT PIN	BRASS+BeCu 17300	GOLD /NICKEL/COPPER	INSULATION RESISTANCE	>5000 MΩ	
CABLE	VA TEST CABLE			INSERTION LOSS	<1.47	
MECHANICAL CHARACTERISTICS				VSWR	<1.35	
MIN. BENDING RADIUS ,STATIC		30 mm		RF- LEAKAGE	>90 dB	
MIN. BENDING RADIUS ,REPEATED		60 mm		MECHANICAL PHASE STABILITY	<±5°	
RECOMMENDED COUPLING TORQUE		7-10 in-lbs (SMA) 9-14 in-lbs (N)		MECHANICAL AMPLITUDE STABILITY	<±0.05 dB	
COUPLING NUT RETENTION FORCE		>60 lbs (SMA) >100 lbs ( N)		ENVIRONMENTAL PARAMETER		
DURABILITY		>500 cycles		TEMPERATURE RANGE	-40 °C~+85 °C	
CABLE RETENTION FORCE		>20 lbs		PROTECTION GRADE	N/A	

**\* CUSTOMER OUTLINE DRAWING**

UNLESS OTHERWISE SPECIFIED:  
 1) EDGES : N/A ;  
 2) REMOVE ALL BURRS : N/A ;  
 3) SURFACE ROUGHNESS : N/A ;  
 4) UNITS : mm ;  
 5) DIMENSIONS TOLERANCES  
 DECIMALS : .x ±5, .xx ±2, .xxx±1;  
 ANGLES : ±10°.

THIRD ANGLE PROJECTION		
APPROVED :	CUSTOMER P/N :	
CHECKED :	SCALE :	1 : 1
DRAWING :	DATE :	2020-03-26



TITLE : SMA MALE R/A TO N MALE R/A FOR VA TEST CABLE  
 DRAWING NO. : VA18-SMRNMR-00.50M  
 COMPANY WEBSITE : www.slkcorp.com

CUSTOMER OUTLINE DRAWING