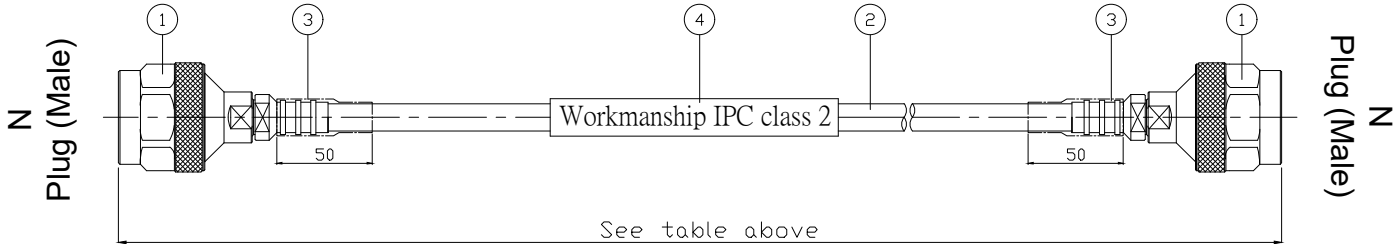


INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.					
Rosnol P/N			Length (mm)		
N1K50-MP533A-PM-N1K50-16000A/3G			16000		
N1K50-MP533A-PM-N1K50-XXXX/3G			Custom Length		
Electrical Data					
Impedance		50 ohm			
Frequency		DC-3 GHz			
Capacitance		87 pF/m (26.5 pF/ft)			
Velocity of Signal Propagation		80%			
Signal Delay		4.3 ns/m (1.31 ns/ft)			
Insulation Resistance		≥ 1 x 10 ⁸ MΩ/m			
Shielding Effectiveness		>100 dB (DC -18.0 GHz)			
Max. Operating Voltage		2.6 KV/rms (at sea level)			
Frequency	VSWR Max.	Insertion Loss Max.	Phase Stability vs Flexure ¹	Amplitude Stability vs Flexure ²	Flex Life Cycle ³
3 GHz	1.12	≤ 0.000546 (dB/mm) * L (mm) + 0.1 (dB)	± 3° Typ. ± 5.5° Max.	± 0.05 dB Typ. ± 0.10 dB Max.	≥ 10000
¹ Per IEC 60966-1, section 8.6, method 1.					
² Per IEC 60966-1, section 9.3.					
³ Per IEC 60966-1, section 8.4.					
Mechanical Data					
Weight	N/A				
Min. Bending Radius	Static 16 mm (.630 inch) Dynamic 25 mm (.984 inch)				
Environmental Data					
Operating Temperature	-55°C ~ +165°C				
RoHS / REACH	Compliant				

SPECIFICATION CONTROL DRAWING

REVISION			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	MAR/21/2024	



- NOTES:
- 1) CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
 - 2) MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
SAMPLE LIKE DRAWING
 - 3) Phase Matching: +/- 1 degree@ 3GHz
 - 4) state IL matched +/-1.0dB across 18 cables assy per Lot
POWER HANDLING:200W

4	LABEL HEAT SHRINK TUBE	HST-W-D4-125C-G	1	EA	DIMENSION ARE IN MM [INCH] TOLERANCES DECIMALS .X $\pm$ 6.35 [.250"] .XX $\pm$ 3.18 [.125"] .XXX $\pm$ 1.52 [.060"] DEGREES X° $\pm$ 1°	CUSTOMER	REV	UNIT
3	HEAT SHRINK TUBE	HST-B-D6.4-125C-G	2X 50	mm		APPROVED	DATE	mm [inch]
2	CABLE	ROSNOL MP533A Cable	16000	mm				
1	N SOLDER CLAMP JACK	N1K50-MP533A/9X	2	EA		DRAWN	DATE	
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M				

ROSNOL 
RF/Microwave Technology
www.rosnol.com
info@rosnol.com
N-CAGE Code: SFKK0

TITLE
**N Plug (Male) to N Plug (Male)
16 Meter Cable Assembly for MP533A Cable**

DRAWING NO.
N1K50-MP533A-PM-N1K50-16000A/3G