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Rosnol P/N	Length (inch)
A1K5SW-MP533A-AM-N1K50-215INA/11G (NM-5.33A6-AM90-215IN)	215
A1K5SW-MP533A-AM-N1K50-XXXX/11G	Custom Length

Electrical Data					
Impedance	50 ohm				
Frequency	DC-11 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	$\geq 1 \times 10^8$ M Ω /m				
Shielding Effectiveness	>100 dB (DC -18.0 GHz)				
Max. Operating Voltage	2.6 KVrms (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	≤ 0.0139 (dB/in) * L (in) + 0.1 (dB)	$\pm 3^\circ$ Typ. $\pm 5.5^\circ$ Max.	± 0.05 dB Typ. ± 0.10 dB Max.	≥ 10000
6 GHz	1.15	≤ 0.02 (dB/in) * L (in) + 0.1 (dB)			
11 GHz	1.20	≤ 0.0294 (dB/in) * L (in) + 0.1 (dB)			

¹ Per IEC 60966-1, section 8.6, method 1.

² Per IEC 60966-1, section 9.3.

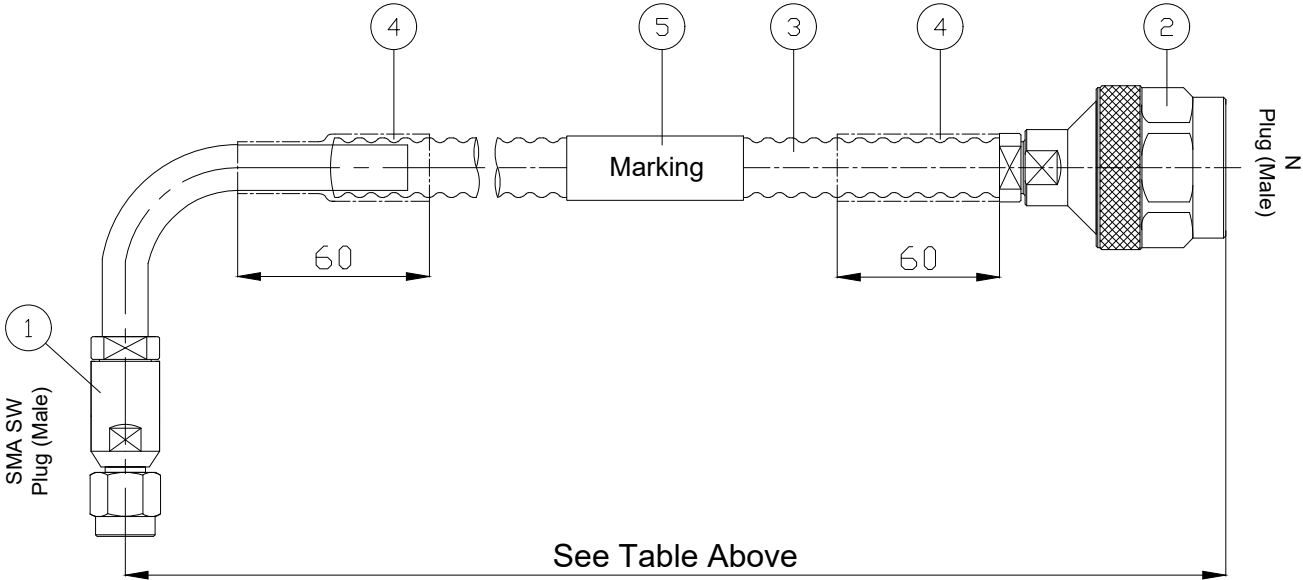
³ Per IEC 60966-1, section 8.4.

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

5	LABEL HEAT SHRINK TUBE	HST-W-D4-125C-G	1	EA
4	HEAT SHRINK TUBE	HST-B-D4.8-125C-G	2X 60	mm
3	CABLE	ROSNOL MP533A Cable (incl. external armor jacket)	215	in
2	N SOLDER CLAMP PLUG	N1K50-MP533A/9XX	1	EA
1	SMA SWEPT RIGHT ANGLE SOLDER CLAMP PLUG	A1K5SW-MP533A/9XX	1	EA
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M

SPECIFICATION CONTROL DRAWING

REVISION			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	JAN/23/2024	



- NOTES:
- CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
 - TEST AND MEASUREMENT 100%, DC-11 GHz VSWR X.XX, INSERTION LOSS: XXXX dB (SEE TABLE)
 - TEST REPORT SUPPLIED WITH ASSEMBLY.
 - THE LABEL HEAT SHRINK TUBE USE COLOR "PURPLE"
 - MARKING DETAILS PLEASE USE NM-5.33A6-AM90-215IN

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N-CAGE Code: SFKK0

TITLE
SMA SW Plug (Male) to N Plug (Male)
215 Inch Cable Assembly for MP533A Cable

DRAWING NO. A1K5SW-MP533A-AM-N1K50-215INA/11G
(NM-5.33A6-AM90-215IN)

DIMENSION ARE IN MM [INCH]		CUSTOMER	REV	UNIT
TOLERANCES			-	mm [inch]
DECIMALS		DATE		
.X ± 6.35 [.250"]				
.XX ± 3.18 [.125"]				
.XXX ± 1.52 [.060"]				
DEGREES		DATE		
X° $\pm 1^\circ$				