

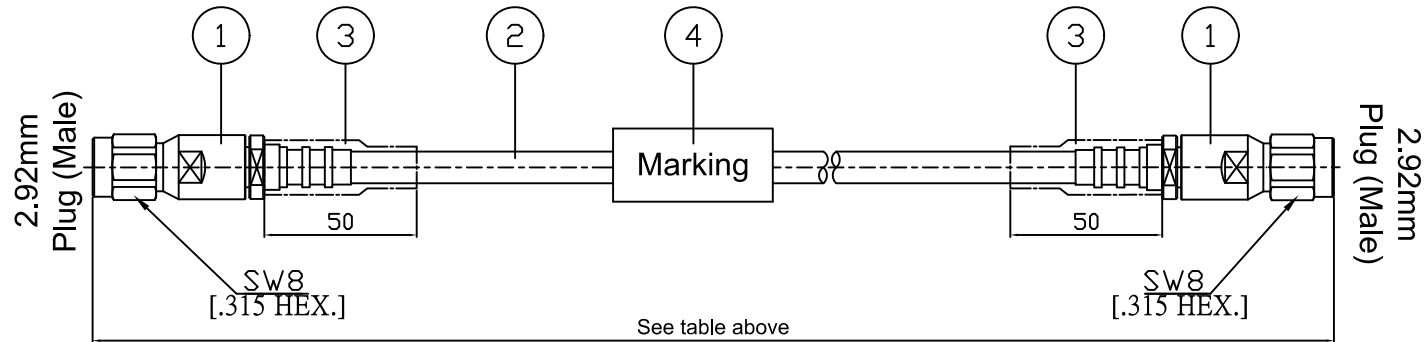
INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.

Rosnol P/N		Length (mm)
K1K50-MP420A-K1K50-4000A/40G		4000
K1K50-MP420A-K1K50-3500A/40G		3500
K1K50-MP420A-K1K50-3000A/40G		3000
K1K50-MP420A-K1K50-2500A/40G		2500
K1K50-MP420A-K1K50-2000A/40G		2000
K1K50-MP420A-K1K50-1500A/40G		1500
K1K50-MP420A-K1K50-1000A/40G		1000
K1K50-MP420A-K1K50-500A/40G		500
Frequency	VSWR Max.	Insertion Loss Max.
40 GHz	1.25	$\leq 0.00285 \text{ (dB/mm)} * L \text{ (mm)} + 0.1$

## SPECIFICATION CONTROL DRAWING

### REVISION

REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	NOV/22/2024	



- NOTES:
- 1) CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
  - 2) TEST AND MEASUREMENT 100%, DC-40 GHz VSWR X.XX, INSERTION LOSS: XXXX dB (SEE TABLE)
  - 3) MARKING DETAILS IF NOT SPECIAL MARKING TEXT:  
ROSNOL DC-40 GHz  
K1K50-MP420A-K1K50-XXX/40G  
WWYY-SERIAL NUMBER
  - 4) Phase Stability vs Bending\*:  $\pm 5^\circ$  typ/ $\pm 9.5^\circ$  max
  - 5) Amplitude Stability vs Bending\*:  $\pm 0.1$  dB typ/ $\pm 0.2$  dB max
  - 6) Operating Temperature Range:  $-55^\circ\text{C}$  to  $+120^\circ\text{C}$
  - 7) Min. Bend Radius: 10mm
  - 8) ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES :  $\pm 3$  mm FOR  $L \leq 300$ mm ;  $\pm 1\%$  FOR  $L > 300$ mm
  - 9) according to IEC60966-1, wrapped a  $360^\circ$  around a mandrel of 57 mm (2.25 in) radius.

### CUSTOMER'S APPROVAL

Department or  
company's stamp

Name:

Date:

Copy and send back to  
ROSNOL CORPORATION BEFORE:

4	LABEL HEAT SHRINK TUBE	HST-W-D4-125C	1	EA	DIMENSION ARE IN MM [INCH]  TOLERANCES  DECIMALS .X ± 6.35 [.250"] .XX ± 3.18 [.125"] .XXX ± 1.52 [.060"]  DEGREES X° ± 1°	CUSTOMER	REV —	UNIT mm [inch]
3	HEAT SHRINK TUBE	HST-B-D4.8-125C-G	2X 50	mm		APPROVED DATE		
2	CABLE	ROSNOL MP420A Cable (OD 4.2mm)	See table above	mm		DRAWN DATE		
1	2.92mm SOLDER CLAMP PLUG	K1K50-MP420A/9XX	2	EA				
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M				

**ROSNOL**

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N-CAGE Code: SFKK0



TITLE  
2.92mm Plug (Male) to 2.92mm Plug (Male)  
XXX Meter Cable Assembly for MP420A Cable

DRAWING NO.  
K1K50-MP420A-K1K50-XXX/40G