

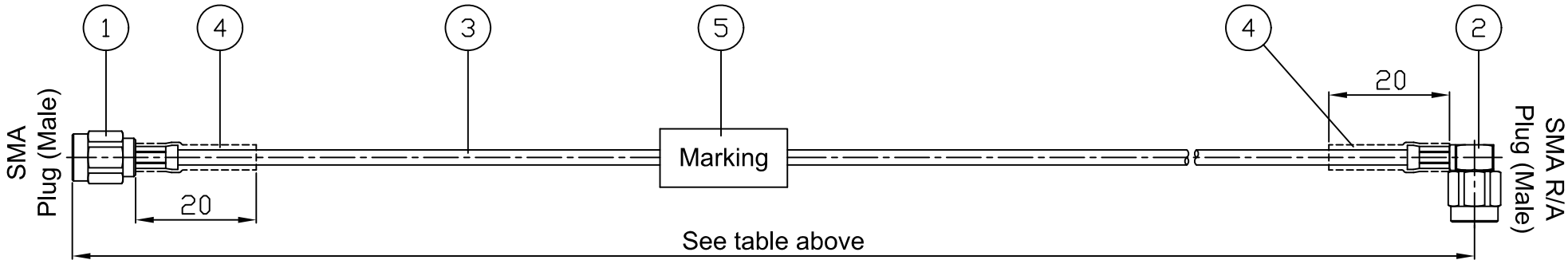
INFORMATION CONTAINED WITHIN THIS ROSNOL RF/MICROWAVE TECHNOLOGY CORP. DOCUMENT IS CONSIDERED PROPRIETARY AND IS THE PROPERTY OF ROSNOL RF/MICROWAVE TECHNOLOGY CORP.

Rosnol P/N		Length (mm)
A1C50-RG316-A1C59-250 AC/3G		250
A1C50-RG316-A1C59-500 AC/3G		500
A1C50-RG316-A1C59-1000 AC/3G		1000
A1C50-RG316-A1C59-2000 AC/3G		2000
Frequency	VSWR Max.	Insertion Loss Max.
3 GHz	1.25	$\leq 0.00165 \text{ (dB/mm)} * L \text{ (mm)} + 0.18 * \sqrt{f \text{ (dB)}}$

SPECIFICATION CONTROL DRAWING

REVISION

REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	MAR/6/2025	



CUSTOMER'S APPROVAL

Department or
company's stamp

Name:

Date:

Copy and send back to
ROSNOL CORPORATION BEFORE:

NOTES:

- CONNECTORS ASSEMBLED PER MANUFACTURERS INSTRUCTIONS.
- MARKING DETAILS IF NOT SPECIAL MARKING TEXT:
ROSNOL DC- 3 GHz
A1C50-RG316-A1C59-XXX/3G
WW/YY SERIAL NUMBER
- ALL DIMENSIONS ARE IN MM ; LENGTH TOLERANCES : $\pm 3 \text{ mm}$ FOR $L \leq 300 \text{ mm}$; $\pm 1\%$ FOR $L > 300 \text{ mm}$

5	LABEL HEAT SHRINK TUBE	HST-W-D4-125C	1	EA
4	HEAT SHRINK TUBE	HST-B-D4-125C	2X 20	mm
3	CABLE	ROSNOL RG316 Cable	See table above	mm
2	SMA R/A CRIMP PLUG	SMA1C59-G316C/944	1	EA
1	SMA CRIMP PLUG	SMA1C50-G316A/144	1	EA
NO.	DESCRIPTION	PARTS NO.	QTY.	U/M

DIMENSION ARE IN MM [INCH]		CUSTOMER	REV	UNIT	
TOLERANCES DECIMALS .X ± 6.35 [,.250"] .XX ± 3.18 [,.125"] .XXX ± 1.52 [,.060"] DEGREES X° ± 1°			—	mm [inch]	
		APPROVED			DATE
		DRAWN			DATE

ROSNOL

RF/Microwave Technology
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N-CAGE Code: SFKK0



TITLE

SMA Plug (Male) to SMA R/A Plug (Male)
XXX Meter Cable Assembly for RG316 Cable

DRAWING NO.

A1C50-RG316-A1C59-XXX/3G