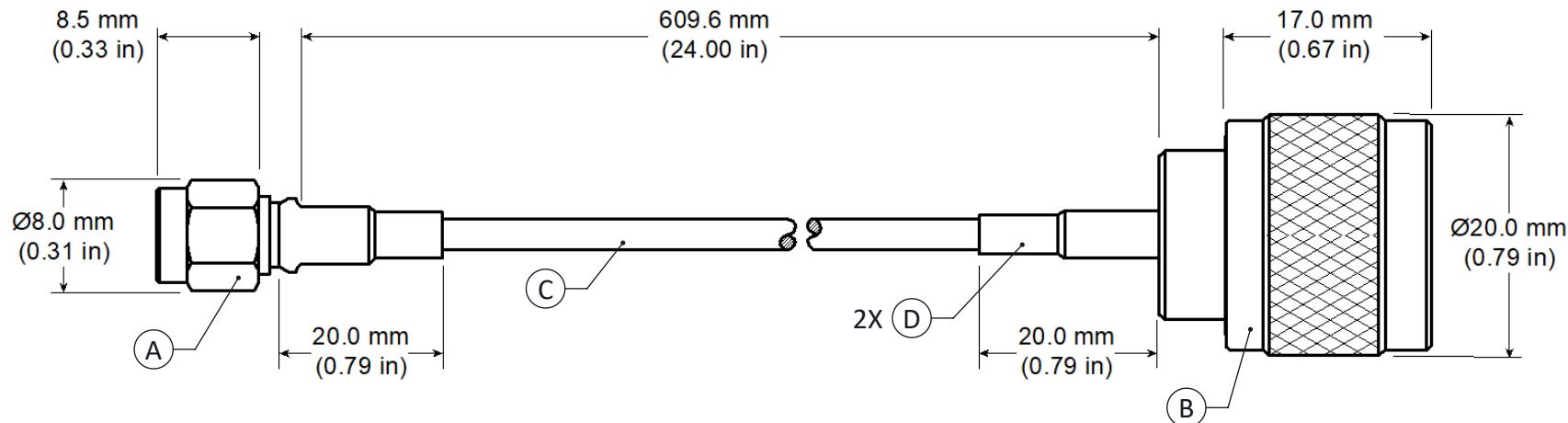


ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
A	1	SMA MALE CONNECTOR	BRASS	NICKEL
B	1	N MALE CONNECTOR	BRASS	NICKEL
C	AS REQ.	CABLE	RG-58 LOW LOSS	BLACK
D	2	HEAT SHRINK TUBING	POLYOLEFIN	BLACK

REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	INITIAL RELEASE OF LINX INTERNAL DRAWING	27-APR-20	CLL



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. CONNECTOR TO BE APPLIED IN ACCORDANCE WITH CONNECTOR SUPPLIER RECOMMENDED PROCEDURE.
5. SEE TABLE I FOR ELECTRICAL SPECIFICATIONS. (SHEET 2)
6. SEE TABLE II FOR ENVIRONMENTAL SPECIFICATIONS. (SHEET 2)
7. SEE TABLE III FOR MECHANICAL SPECIFICATIONS. (SHEET 2)

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MATERIAL:

TOLERANCES:

0.50 [0.20]-5.00 [.200]= ±0.20 [.008]
5.00 [200]-30.00 [1.200]= ±0.40 [.016]
30.0 [1.20]-120.0 [4.75]= ±0.60 [0.24]
120.0 [4.75]-315.0 [12.40]= ±1.0 [.040]

PROJECTION:



ANGLES: ±1°

FINISH:

DRAWN: M. SCHULTE

DT: 17-APR-20

ENGR: D. VARATHARAJAN

DT: 24-APR-20

Linx 159 ORT LANE
MERLIN, OR 97532
TITLE:
**CABLE ASSEMBLY, SMA MALE
TO N MALE, RG-58 CBL**

SIZE	DWG. NO.	REV
A	CSD-SMAM-610-NM	A
SCALE: 2:1	DO NOT SCALE DRAWING	SHEET 1 OF 2

5 TABLE I

Electrical Specifications	
Electrical Data	Detail
Impedance	50 Ω
Frequency Range	0 to 5.8 GHz
VSWR	≤ 1.35 : 1
Insertion Loss	0.39 \sqrt{f} dB, Typical. f in GHz

6 TABLE II

Environmental Data	Detail
Temperature Range	-40 °C to +85 °C
Environmental Compliance	RoHS

7 TABLE III

Mechanical Data	Detail	
Coaxial Cable	RG-58 Low Loss	
Weight	55.7 g (1.96 oz)	
	Connector A	Connector B
Fastening Type	1/4"-36 Threaded Coupling	5/8"-24 Threaded Coupling
Recommended Torque	0.9 N·m (8 in·lbs)	1.25 N·m (11 in·lbs)
Coupling Nut Retention	60 lbs. min.	100 lbs. min.
Connector Durability	500 cycles min.	500 cycles min.

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