

COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CAB613RF: SMA SEALED PLUG TO SMA SEALED PLUG, BOTH BRASS, IP68/69K, ALSR-100 CABLE, 6GHz

SPECIFICATIONS :

1. BRASS SMA SEALED PLUG, RATED TO IP68/69K, P/N: RFCT-SMA111-B-M-ALS-S (W/SILICONE GASKET).

2. COAXIAL CABLE, ALSR-100\*, COLOR: BLACK. (SPECIFICATION EQUIVALENT TO LMR-100®)

ENVIRONMENTAL:

A. SMA SEALED PLUG TESTED TO THE FOLLOWING SPECIFICATION:

i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.

ii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.

iii. IPX9K WATER SPRAY, 14-16L PER MINUTE, AT 8,000 ~ 10,000 KPA, AT 100-150MM DISTANCE FOR 30 SECONDS.

NOTES:

1. WORKING FREQUENCY RANGE: DC-6GHz.

2. OPERATING TEMPERATURE: -40°C TO +85°C.

3. IMPEDANCE: 50 Ohm.

HOW TO ORDER

CAB613RF - X X X X - 1

"L" LENGTH IN MM:

eg: 500MM = 0500

MIN. 0050, MAX. 5000,

STANDARD = 0152(6-inch),

0304(12-inch), 0609(24-inch),

0914(36-inch)

Tolerance: 50mm: ±2mm.

51-200mm: ±5mm.

201-500mm: ±7mm.

501-999mm: ±10mm.

≥1000mm: ± (L x 0.02)mm.

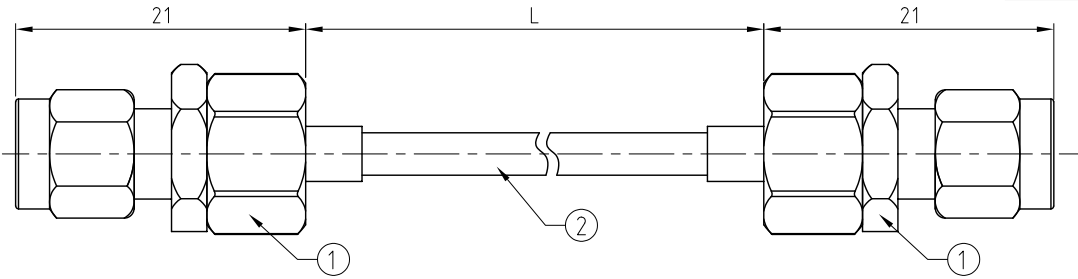
CABLE SIZE:

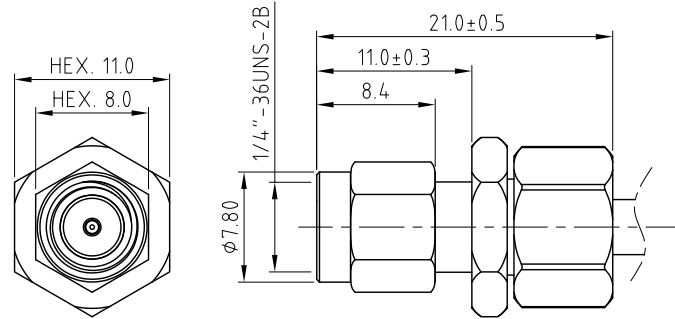
1 = ALSR-100 CABLE, COLOR: BLACK

Patent Pending

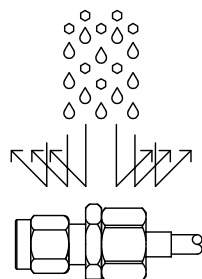
GB2416077.2

GB2416078.0





SMA PLUG DETAIL DRAWING



IP RATED EVEN WHEN UNMATED  
INC. CABLE ENTRY SIDE

REV. DATE & DWN

10. 28/03/24 - CC RELEASE

11. 11/06/24 - CC Add note 'Patent Pending'

12. 26/08/24 - CC Change cable to ALSR-100

13. 11/09/24 - CC Change max. cable length to 5m

14. 17/12/24 - CC Add GCT logo

Scale: NTS

Drawn: CC

App'd: XXX

Date: 17 DEC. '24

THIRD ANGLE

Title CABLE ASSEMBLY

Revision: 1.4

Unit: mm

Unstated Tolerances:

.X ±0.2

.XX ±0.1

.XXX ±0.05

ANGLES ±1°

IP Rated RF Products

www.gct.co

www.gradconn.com

Drawing Number:

CAB613RF

Sheet 1 of 1

Drawing © E and O E