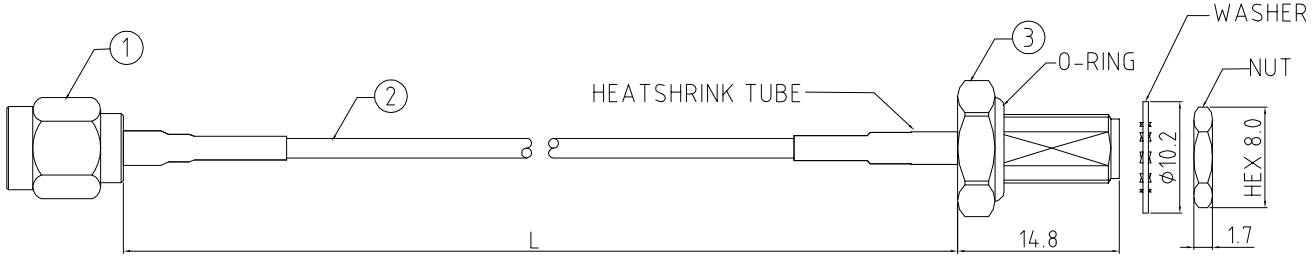
COAXIAL CABLE ASSEMBLY | CUSTOMER PRODUCT SPECIFICATION SHEET

RoHS Compliant

CABLE 243 RF: RF CABLE ASSEMBLY, SMA S/T MALE TO SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE OPTIONS

SPECIFICATIONS :

1. SMA STRAIGHT MALE, P/N:
   FOR RG178 CABLE: RFCT-SMA022-M78.
   FOR ϕ1.13MM & ϕ1.13MM LL CABLE: RFCT-SMA011-M13.
   FOR ϕ1.32MM DS CABLE: RFCT-SMA038-M32.
   FOR ϕ1.37MM CABLE: RFCT-SMA026-M37.
   FOR RG174 CABLE: RFCT-SMA096-M74.
2. COAXIAL CABLE, SEE P/N FOR DETAIL.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP6768, P/N:
   FOR ϕ1.13MM~RG178 CABLE: RFCT-SMA002-F78.
   FOR RG174 CABLE: RFCT-SMA002-F74.

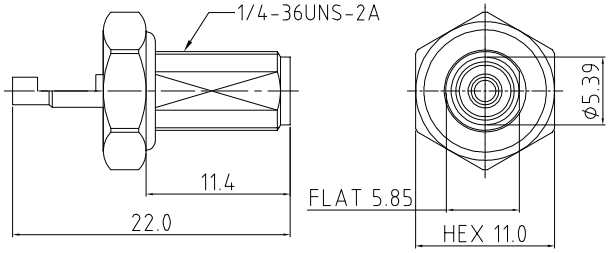


ENVIRONMENTAL:

A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA002-Fxx)
   TESTED TO THE FOLLOWING SPECIFICATION:
   i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
   ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
   iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
   iv. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
   v. PRESSURE TEST - 1 BAR FOR 10 SECONDS.

NOTES:

1. WORKING FREQUENCY RANGE: DC-3GHz.
2. OPERATING TEMPERATURE: -40°C~+125°C (1.13MM~RG178 CABLE)
   -20°C~+80°C (RG174 CABLE)
3. IMPEDANCE: 50 OHM.



SMA JACK DETAIL DRAWING

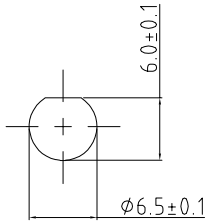
HOW TO ORDER

CABLE 243 RF - X X X X - X - X

"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0050, MAX. 2000,
STANDARD = 0100, 0150, 0200)
Tolerance: 50mm: ±2mm.
51-200mm: ±5mm.
201-500mm: ±7mm.
>500mm: ±10mm.

CABLE SIZE OPTIONS:
1 = RG178 CABLE, COLOR: BROWN
2 = ϕ1.13MM CABLE, COLOR: GRAY
3 = ϕ1.13MM LOW LOSS CABLE, COLOR: GRAY
4 = ϕ1.32MM DS CABLE, COLOR: GRAY
5 = ϕ1.37MM CABLE, COLOR: BLACK
6 = RG174 CABLE, COLOR: BLACK

WASHER AND NUT OPTIONS:
BLANK = SEPARATELY PACKED (STANDARD)
A = ALL ASSEMBLED WITH CONNECTOR



RECOMMENDED SMA MOUNTING HOLE

REV.	DATE & DRN	
1.0	01/08/'16 - RJH	RELEASE
1.1	31/10/'17 - NYW	ADD 1.13MM CABLE OPTIONS.
1.2	22/11/'17 - NYW	ADD 1.32DS CABLE OPTIONS.
1.3	27/05/'19 - NYW	ADD OPERATING TEMP.
1.4	20/09/'19 - NYW	ADD 1.37 CABLE OPTION. ADD NOTE 3.
1.5	26/11/'20 - NYW	UPDATE SMA P/N FOR 1.37 CABLE.
1.6	19/10/'22 - NYW	ADD CABLE SIZE OPTION 6.

Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A, .XX N/A, .XXX N/A, ANGLES N/A	IP67/68 Rated Cables	Type: Cable 243 RF
Drawn: RJH			www.gradconn.com	CABLE 243 RF
App'd: XXX	Title CABLE ASSEMBLY			Drawing Number:
Date: 19 JAN. '22	Revision: 1.6	Unit: mm		Sheet 1 of 1

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