

CABLE 196 RF: RF CABLE ASSEMBLY, MMCX R/A PLUG + SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

SPECIFICATIONS :

1. MMCX RIGHT ANGLE PLUG, P/N: FOR RG178, ϕ 1.37MM CABLES: RFCT-MMCX003-M78. FOR ϕ 1.13MM CABLE: RFCT-MMCX002-M13.
2. COAXIAL CABLE, SEE P/N FOR DETAIL.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68, P/N: RFCT-SMA002-F78.

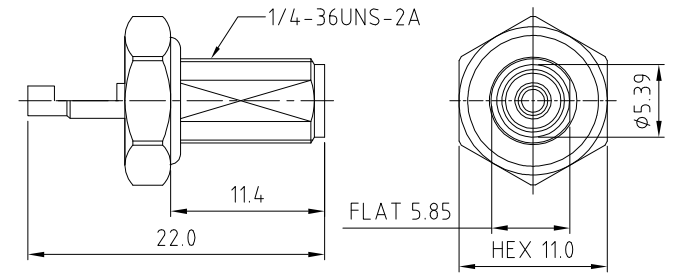
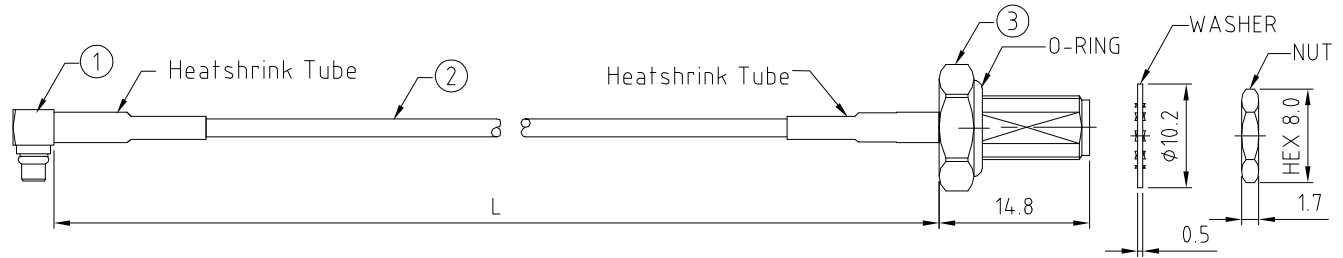
USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
 (i) HANDLE WITH CARE.
 (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
 (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

ENVIRONMENTAL:

- A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA002-F78) 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. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GRAD CONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-3GHz.



HOW TO ORDER
 CABLE 196 RF - X X X X - X X - X - X

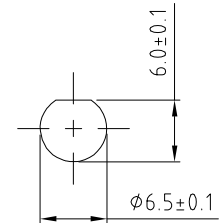
"L" LENGTH IN MM:
 eg: 100MM = 0100
 (MIN. 0050-MAX.2000
 STANDARD = 0100, 0150, 0200)
 Tolerance: <50mm: \pm 2mm.
 51-200mm: \pm 5mm.
 201-500mm: \pm 7mm.
 >501mm: \pm 10mm.

CABLE SIZE OPTIONS:
 1 = RG178 CABLE, COLOR: BROWN.
 2 = ϕ 1.13MM LOW LOSS CABLE, COLOR: GRAY.
 3 = ϕ 1.37MM CABLE, COLOR: BLACK.

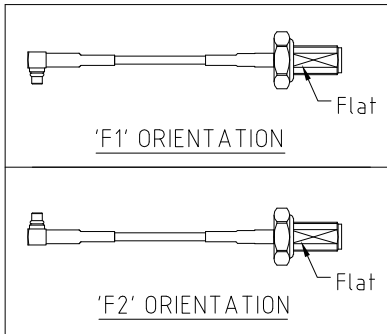
WASHER AND NUT OPTIONS:
 BLANK = SEPARATELY PACKED (STANDARD)
 A = ALL ASSEMBLED WITH CONNECTOR

ORIENTATION OPTIONS:
 BLANK = DOES NOT HAVE A FIXED ORIENTATION
 F1 = MMCX CONNECTION DOWN (L=50-200MM)
 F2 = MMCX CONNECTION UP (L=50-200MM)
 (SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

SMA DETAIL DRAWING



RECOMMENDED SMA MOUNTING HOLE



10	REV. DATE & DRN
11	19/07/15 - NYW RELEASE
12	23/07/15 - NYW UPDATE SMA PART NUMBER
13	29/10/15 - NYW ADD IP67/68 RATING INFO
14	08/11/17 - NYW ADD 1.13MM CABLE OPTION
15	02/04/18 - NYW UPDATE MMCX P/N FOR RG178 CABLE
16	27/05/18 - NYW ADD CABLE SIZE 3 OPTION

Scale:	NTS	THIRD ANGLE	Unstated: .X, .XX, .XXX ANGLES	Tolerances: N/A, N/A, N/A, N/A
Drawn:	NYW			
App'd:	XXX	Title	CABLE ASSEMBLY	
Date:	21 MAY '18	Revision:	15	Unit: mm

IP67/68 Rated Cables

www.gradconn.com

Type:	Cable 196 RF
	CABLE 196 RF
Drawing Number:	Sheet 1 of 1
Drawing	E and O E