



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 LL, ϕ 1.13MM CABLES: 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.

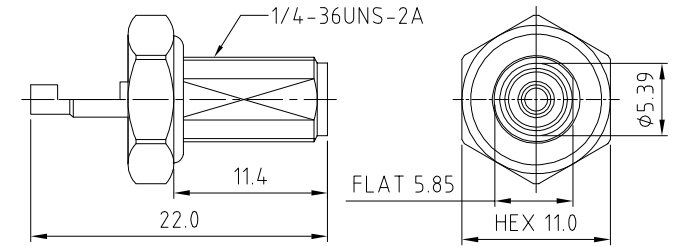
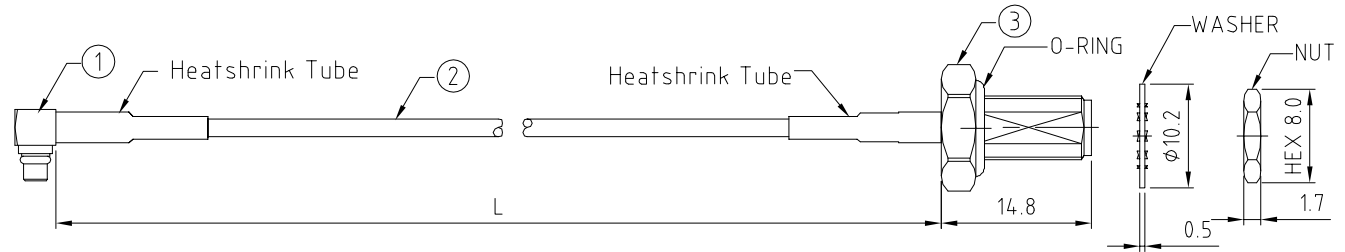
USAGE PRECAUTIONS: CABLES USING 'MICRO' COAX ARE DELICATE:
 (i) HANDLE WITH CARE.
 (ii) DO NOT TWIST; APPLY EXCESSIVE FORCES OR SHARP BENDS TO THE CABLE. DO NOT FORCEFULLY DEFORM WIRES.
 (iii) CONSULT CONNECTOR MANUFACTURER'S DATASHEETS FOR DETAILED NOTES ON HANDLING INSTRUCTIONS.

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.
5. OPERATING TEMPERATURE: -55°C~+125°C.



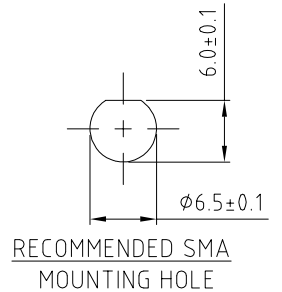
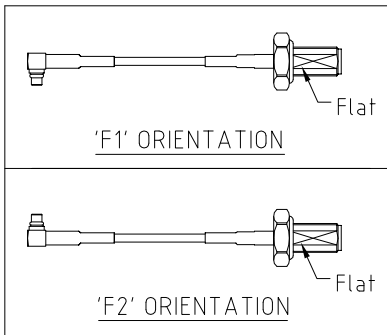
HOW TO ORDER
 CABLE 196 RF - X X X X - X X - X - X

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

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

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)



REV. DATE & DRN	10 19/07/15 - NYW RELEASE
11 23/07/15 - NYW UPDATE SMA PART NUMBER.	
12 29/10/15 - NYW ADD IP67/68 RATING INFO.	
13 ADD 113 CABLE OPTION.	
14 02/04/18 - NYW UPDATE MMCX P/N FOR RG178 CABLE.	
15 27/05/18 - NYW ADD CABLE SIZE 3 OPTION.	
16 ADD CABLE SIZE 4 OPTION.	
17 26/05/19 - NYW ADD OPERATING TEMP.	

Scale: NTS	THIRD ANGLE	Unstated Tolerances:
Drawn: NYW		.X N/A .XX N/A .XXX N/A ANGLES N/A
App'd: XXX	Title: CABLE ASSEMBLY	
Date: 24 MAY '19	Revision: 1.7	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