COAXIAL CABLE ASSEMBLY | CUSTOMER PRODUCT SPECIFICATION SHEET

CAB444RF: I-PEX MHF + ISOLATED TNC BULKHEAD JACK WITH O-RING RATED TO IP67 + RG178 CABLE, 6GHz

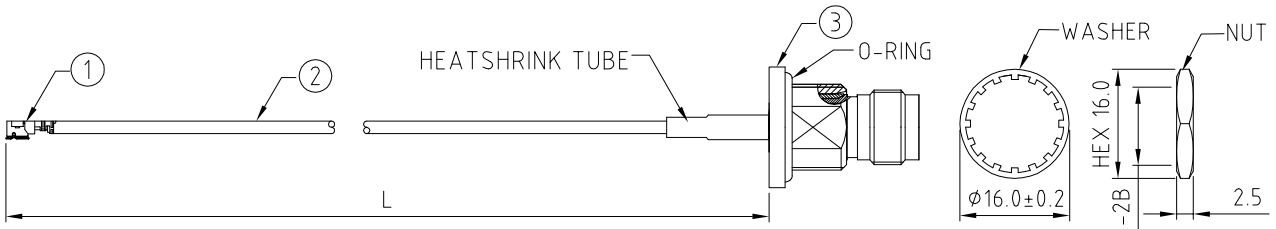
RoHS Compliant

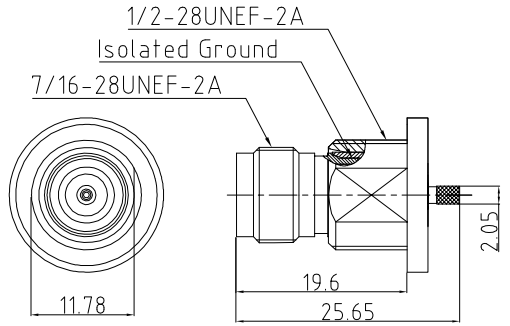
SPECIFICATIONS :
1. I-PEX MHF PLUG, P/N: 20278-112R-18.
2. RG178 COAXIAL CABLE, COLOR: BROWN.
3. ISOLATED TNC STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67, P/N: RFCT-TNC016-F78.

ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-TNC016-F78) RATED TO THE FOLLOWING SPECIFICATION:
   i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
   ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.

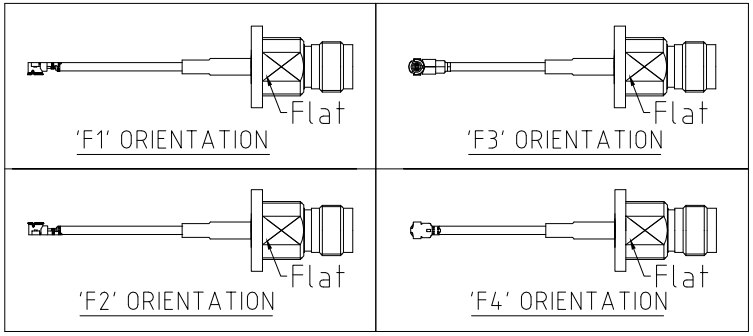
NOTES:
1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 50MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-6GHz.
5. OPERATING TEMPERATURE: -40°C~+85°C.
6. IMPEDANCE: 50 Ohm.
7. CARE SHOULD BE TAKEN NOT TO OVERTIGHTEN THE MATING CONNECTOR. OVERTIGHTENING RISKS COMPROMISING THE IP RATING OF THE CONNECTOR.

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.





TNC DETAIL DRAWING



HOW TO ORDER

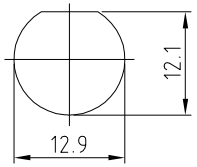
CAB444RF - XXXX - XX - X - 1

"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0025-MAX.0400
STANDARD = 0100, 0150, 0200)
Tolerance: <50mm: ±2mm
50-200mm: ±5mm.
201-400mm: ±7mm.

ORIENTATION OPTIONS:
BLANK = DOES NOT HAVE A FIXED ORIENTATION
F1 = MHF CONNECTION DOWN (L=25-200MM)
F2 = MHF CONNECTION UP (L=25-200MM)
F3 = MHF CONNECTION AND D FLAT SAME ORIENTATION (L=25-200MM)
F4 = MHF CONNECTION AND D FLAT OPPOSITE ORIENTATION (L=25-200MM)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

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

CABLE SIZE:
1 = RG178 CABLE, COLOR: BROWN



RECOMMENDED MOUNTING HOLE
MAX. PANEL THICKNESS: 4MM
TOLERANCE: ±0.1

REV.	DATE & DRN	
10	13/10/20 - NYW	RELEASE
11	16/11/20 - NYW	UPDATE TNC DRAWING.
12	06/04/21 - NYW	ADD CABLE 2 OPTION.
13	17/05/22 - NYW	REMOVE IPX8 RATING. ADD NOTE 7

Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A, .XX N/A, .XXX N/A, ANGLES N/A	Drawing Number: CAB444RF	
Drawn: NYW				
App'd: XXX	Title CABLE ASSEMBLY		Sheet 1 of 1	
Date: 17 MAY '22	Revision: 1.3	Unit: mm	Drawing ©	E and O E

NAUTILUS IP67 Rated Cables

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