COAXIAL CABLE ASSEMBLY | CUSTOMER PRODUCT SPECIFICATION SHEET

CAB451RF: IPEX MHF I PLUG + S/S TNC FEMALE STRAIGHT BULKHEAD JACK W/O-RING RATED TO IP67/68 + 1.37MM CABLE

RoHS Compliant

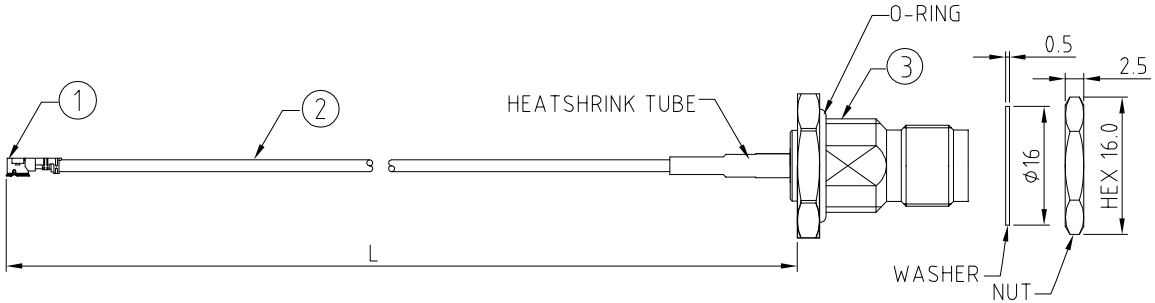
SPECIFICATIONS :
1. I-PEX MHF I PLUG, GOLD PLATED, P/N: 20351-112R-37.
2. Ø1.37MM COAXIAL CABLE, COLOR: BLACK.
3. TNC STRAIGHT BULKHEAD JACK W/O-RING, W/SUS303 STAINLESS STEEL BODY, RATED TO IP67/68, P/N: RFCT-TNC018-F78 (WITH SILICONE O-RING) OR RFCT-TNC018-F78-2 (WITH NBR O-RING).

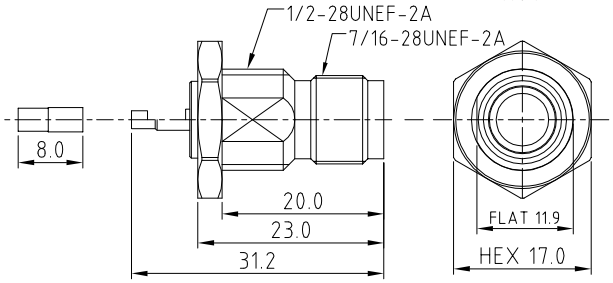
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ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-TNC018-F78) RATED TO THE FOLLOWING SPECIFICATION:
i. IP6X - DUST TIGHT - NO PARTICLE INGRESS.
ii. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
iii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.

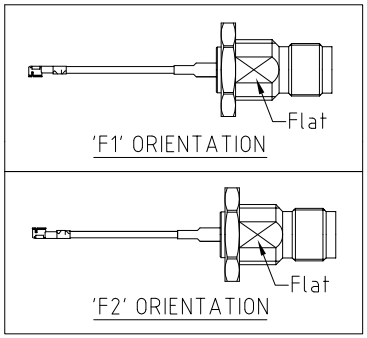
NOTES:
1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY, IF THE ORDER IS LEFT BLANK THE CONNECTOR WILL NOT HAVE FIXED ORIENTATION.
2. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 25MM TO 100MM. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC)
3. CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
4. WORKING FREQUENCY RANGE: DC-3GHz.
5. OPERATING TEMPERATURE: -40°C TO +85°C
6. IMPEDANCE: 50 OHM
7. IF THE CONNECTOR IS USED IN A CORROSIVE ENVIRONMENT, WE RECOMMEND THE CONNECTOR FACE IS PROTECTED WITH A DUST CAP.

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

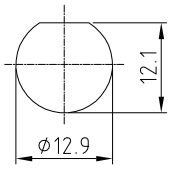
CAB451RF - XXXX - XX - X - 1 - X

"L" LENGTH IN MM:
eg: 100MM = 0100
(MIN. 0025-MAX.0400
STANDARD = 0100, 0150, 0200)
Tolerance: 50mm: ±2mm.
51-200mm: ±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)
(SEE NOTES 1, 2, 3 AND DIAGRAMS FOR MORE INFORMATION)

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

O-RING MATERIAL OPTIONS:
S = SILICONE, BLACK (STANDARD)
N = NBR, BLACK



RECOMMENDED TNC MOUNTING HOLE
(TOLERANCE: ±0.1)

REV	DATE & DRN
1.0	15/01/'21 - NYW RELEASE
1.1	22/03/'21 - NYW ADD NBR O-RING OPTION.
1.2	27/04/'21 - NYW ADD NOTE 7.

Scale: NTS	THIRD ANGLE	Unstated Tolerances: .X N/A, .XX N/A, .XXX N/A, ANGLES N/A	Drawing Number: CAB451RF
Drawn: NYW			
App'd: XXX	Title CABLE ASSEMBLY		Sheet 1 of 1
Date: 27 APR. '21	Revision: 1.2	Unit: mm	Drawing © E and O E

NAUTILUS IP67/68 Rated Cables

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