COAXIAL CABLE ASSEMBLY

CUSTOMER PRODUCT SPECIFICATION SHEET

CABLE 161 RF: I-PEX MHF + SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68 + MULTIPLE CABLE SIZES

SPECIFICATIONS:
   FOR Ø137MM CABLE: 20351-112R-37.
   FOR Ø138MM CABLE: 20278-112R-17.
   FOR Ø81MM CABLE: 20351-112R-08.
2. COAXIAL CABLE, SEE P/N OPTIONS.
3. SMA STRAIGHT BULKHEAD JACK WITH O-RING RATED TO IP67/68.
   P/N: RFCT-SMA002-F78.

ENVIRONMENTAL:
A. BULKHEAD MOUNTED CONNECTOR (RFCT-SMA002-F78) TESTED TO THE FOLLOWING SPECIFICATION:
   i. IPX7 WATERPROOF FOR 30 MINUTES UP TO 1 METER UNDERWATER.
   ii. IPX8 WATERPROOF FOR 48 HOURS AT 1 METER UNDERWATER.
   iii. IPX8 WATERPROOF FOR 12 HOURS AT 5 METERS UNDERWATER.
   iv. PRESSURE TEST - 1 BAR FOR 10 SECONDS.

NOTES:
1. THE ORIENTATION OF CONNECTORS ON DRAWING IS FOR REFERENCE ONLY.
2. THE ORDER OF THE CONNECTORS WILL NOT HAVE FIXED ORIENTATION.
3. FIXED ORIENTATION IS SUGGESTED FOR CABLE LENGTH 25MM TO 100MM.
4. PLEASE SPECIFY THE FIXED ORIENTATIONS FROM THE ORDER CODE (F1, F2, ETC).
5. CONTACT GRADCONN IF THE ORIENTATION YOU REQUIRE IS NOT SHOWN.
6. OPERATING TEMPERATURE: -40°C TO 85°C.
7. IMPEDANCE: 50 Ohm.

HOW TO ORDER:

CABLE 161 RF - XXX - X X - X - X - XX

"L" LENGTH IN MILLIMETERS:
- 100MM = 100
- 250MM = 250
- 300MM = 300

CABLE SIZE OPTIONS:
1. RG178 CABLE COLOR: BROWN
2. Ø137MM CABLE COLOR: BLACK
3. Ø138MM LOW LOSS CABLE COLOR: GREY
4. Ø132DS CABLE COLOR: GREY
5. Ø132MM CABLE COLOR: GREY
6. Ø81MM CABLE COLOR: BLACK
7. Ø81MM CABLE COLOR: GREY

ORIENTATION OPTIONS:
- BLANK = DOES NOT HAVE A FIXED ORIENTATION
- F1 = MHF CONNECTION DOWN (L=20-250MM)
- F2 = MHF CONNECTION UP (L=25-250MM)
- F3 = MHF CONNECTION AND 0 FLAT SAME ORIENTATION (L=25-250MM)
- F4 = MHF CONNECTION AND 0 FLAT OPPOSITE ORIENTATION (L=25-250MM)

RECOMMENDED SMA MOUNTING HOLE:
- ø6.5 ± 0.1

DRAWING NUMBER:
- Scale: 1/2" = 1'-0"
- Drawing Date: 29 APR 22
- Revision: 2.7

NAUTILUS
- Sheet: 1 of 1
- Type: Cable 161 RF

GRADCONN
- www.gradconn.com
- IP67/68 Rated Cables