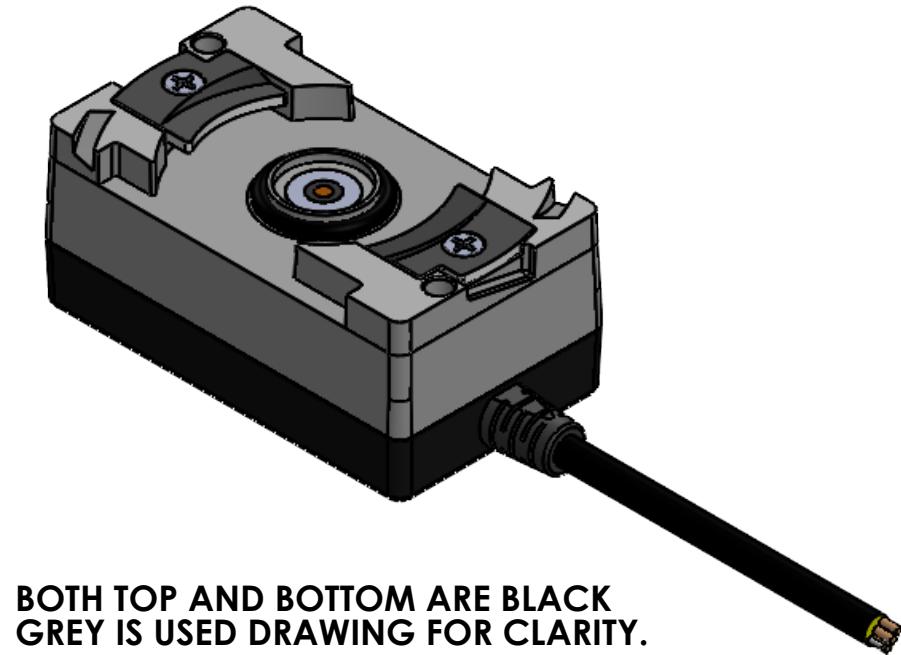
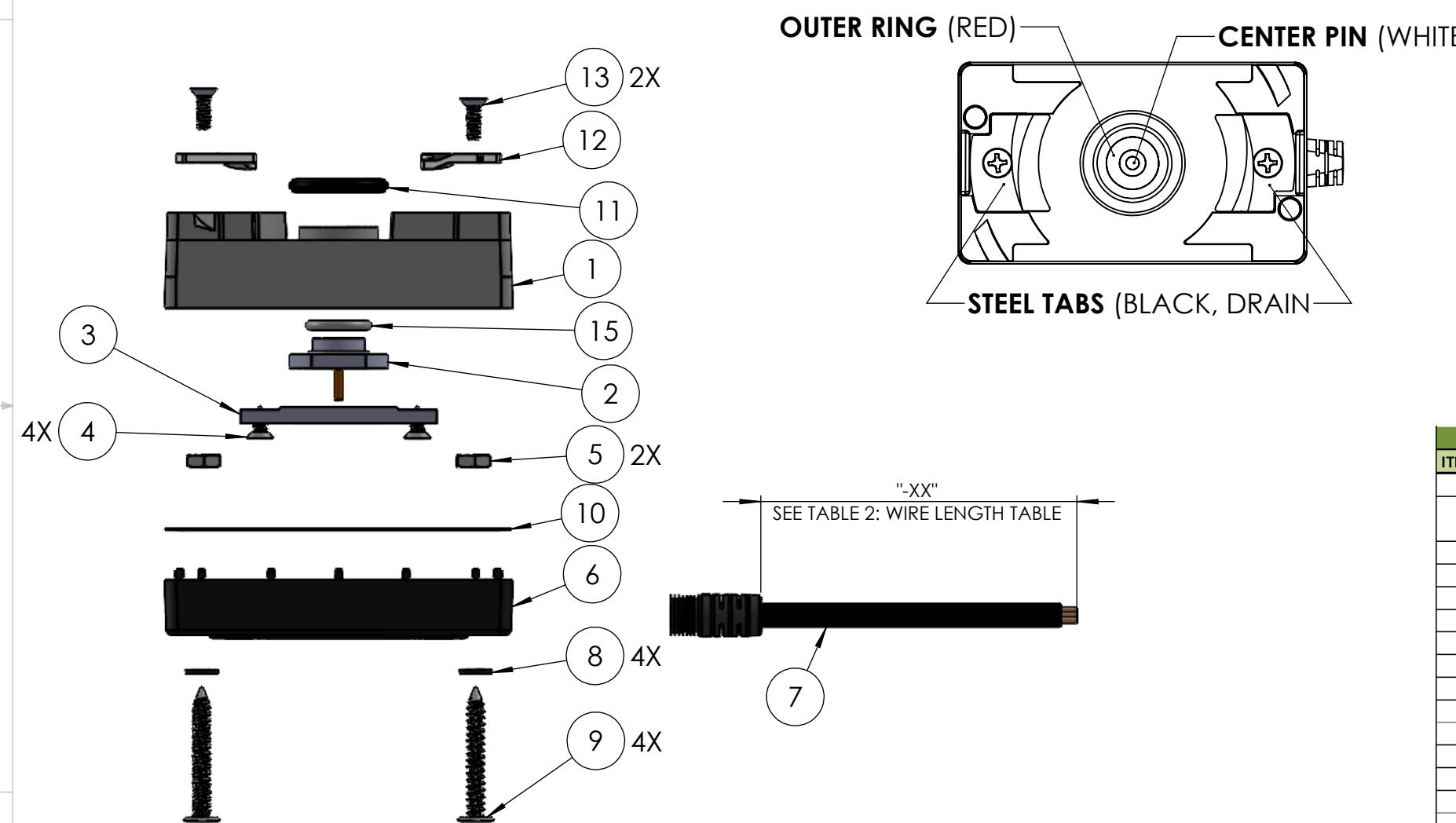


TABLE 1: WIRE RUN LIST	
CONN-PRC163	WIRE COLOR
CENTER PIN	WHITE
OUTER RING	RED
STEEL TABS	BLACK, DRAIN

TABLE 2: WIRE LENGTH CHART		
PART NUMBER & PART MARKING	"-XX" DIMENSION (INCHES)	TOLERANCE (INCHES)
CONN-PRC163-2-01	12	+1.0", -0.0"
CONN-PRC163-2-02	24	+2.0", -0.0"
CONN-PRC163-2-03	36	+4.0", -0.0"
CONN-PRC163-2-06	72	+8.0", -0.0"
CONN-PRC163-2-08	96	+8.0", -0.0"

REVISIONS			
REV	DESCRIPTION	DATE	ENG
A	INITIAL RELEASE	08/26/2025	CWA
B	ADDED WIRE RUN LIST, UPDATED BOM	10/03/2025	CWA
C	UPDATED TABLE 1: WIRE RUN LIST	12/19/2025	CWA



BILL OF MATERIALS			
ITEM NO.	PART NO	QTY	NAME/DESCRIPTION
1	SN-PRC-163-CONN	1	CONNECTOR HOUSING
2	SN-PRC-163-CIRC-ASSY	1	CIRCULAR CONTACT ASSEMBLY, INCLUDES PINS AND O-RING
3	SN-PRC-163-3	1	PLASTIC BRACKET/INSULATOR FOR PRC-163-ASSY
4	90198A100	4	#4 1/4" SCREWS FOR SN-SMALL PCB
5	91831A005	2	4-40 HEX NUT
6	SN-PRC-163-4.1	1	DEEP COVER, 8MM THREADED EXIT
7	SN-359-T3	1	JAVA DUAL ENDED 3C 20 AWG THREADED STRAIN RELIEF CABLE
8	SN-PRC-163-6	4	GASKET FOR TOP COVER SCREWS
9	90935A153	4	BLACK OXIDE STEEL ROUNDED HEAD SCREW, #6 SCREW SIZE, 1" LENGTH
10	SN-PRC-163-5	1	GASKET FOR CASE ON PRC-163 .549" 70A ASTM D2000
11	9452K25	1	LARGE O-RING FOR AN/PRC-163 .364" 70A ASTM D2000 INCLUDED IN ITEM 2
12	STEEL-TAB-163	2	STAINLESS STEEL GND TAB
13	91099A167	2	4-40 1/2" SCREW 18-8 STAINLESS, FLATHEAD PHILLIPS
14	PRC-163-4	1	JUMPER WIRE WITH RING TERMINALS
15	9452K21	1	SMALL O-RING FOR AN/PRC-163 .264" 70A ASTM D2000 INCLUDED IN ITEM 2

## NOTES:

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.
2. PACKAGING REQUIREMENTS:
  - A. EACH COMPLETED ASSEMBLY SHALL BE PACKAGED IN A ZIP POLYBAG.
  - B. CONNECTOR(S) SHALL BE PACKAGED TO PREVENT DAMAGE DURING SHIPPING. BUBBLE WRAP OR PROTECTIVE COVER MUST BE USED.
  - C. POLYBAG SHALL BE MARKED WITH SUPPLYNET LOGO, PRODUCT QR CODE, PART NUMBER, CAGE CODE, AND LOT NO, PER SN-STD-LBL REQUIREMENTS.
3. WORKMANSHIP REQUIREMENTS:
  - A. MANUFACTURE TO IAW/WHMA A-620 CLASS 2 REQUIREMENTS.
  - B. SOLDERING SHALL BE COMPLIANT WITH IAW J-STD-001 AS APPLICABLE.
  - C. CONNECTOR(S) AND WIRE SHALL BE FREE FROM ANY SCRATCHES, CHIPS, AND DEFECTS.
4. INSPECTION REQUIREMENTS:
  - A. EACH COMPLETED ASSEMBLY TO BE 100% TESTED FOR SHORTS, CONTINUITY, AND JACKET RESISTANCE (250V @100MOHM MIN.)
  - B. INSPECT TO IPC/WHMA A-620 CLASS 2 REQUIREMENTS.

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN: INCHES	DRAWN	TC
TOLERANCES: XX: ± 0.03		6/24/19
XXX: ± 0.005	CHECKED	RB
ANGULAR: X°: 1°		6/24/19
XX°: 0.5°	COMMENTS:	
BREAK EDGES: .005-.020		
FILLETS: .005-.020		
SURFACE FINISH:		
PROPRIETARY AND CONFIDENTIAL		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SUPPLYNET, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SUPPLYNET, INC. IS PROHIBITED.		
GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		
MATERIAL: SEE DRAWING NOTES		
FINISH: SEE DRAWING NOTES		
DO NOT SCALE DRAWING		
CAGE CODE: 1HJX9		SCALE: NA
SCALE: NA		WEIGHT: SHEET 1 OF 1

REF. NUMBER: SN0609

SupplyNet

DESIGN  
ENGINEERING  
MANUFACTURING

TITLE:  
**PRC-163 UNREGULATED  
12VDC OUTPUT  
CABLE W/ DATA**

SIZE DWG. NO. REV  
**B CONN-PRC163-2-XX C**