

TABLE 1: WIRE RUN		
P1	WIRE COLOR	P2
2	BROWN	2
5	BLACK	5
6	GREEN	6
7	WHITE	7
10	BLUE	10
12	RED	12
SHELL	SHIELD	SHELL

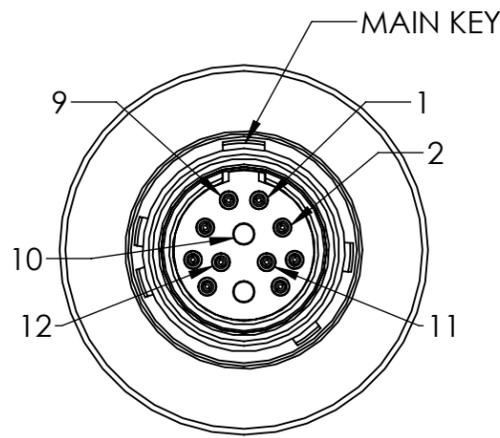
TABLE 2: WIRE RUN		
"-XX" FROM P/N	"XX" DIMENSION (INCHES)	TOLERANCE (INCHES)
02	24.0"	±2.0
04	48.0"	±2.0
06	72.0"	±4.0
08	96.0"	±4.0
12	144.0"	±4.0

CABLE SPECS:

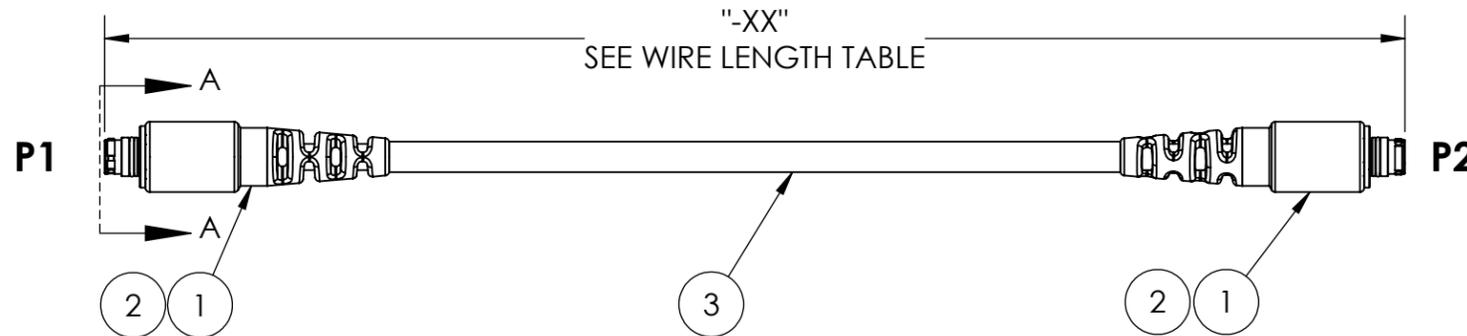
- A. COPPER 22 AWG SINGLE.
 - TEMPERATURE RATING: -30°C TO +150°C
 - INSULATION: FEP
 - COLORS: RED, BROWN, BLUE, AND BLACK
- B. 26 AWG, USB 2.0 COMPLIANT, TWISTED PAIR WITH DRAIN
 - TEMPERATURE RATING: -30°C TO +150°C
 - IMPEDANCE: 90 ± 15 OHMS
 - INSULATION: FEP
 - BRAIDED SHIELD: 40 AWG, MIN 95% COVERAGE, TIN PLATED COPPER
 - COLORS: GREEN AND WHITE
- C. BRAIDED SHIELD: 40 AWG, MIN 85% COVERAGE, TIN PLATED COPPER
- D. JACKET
 - MATERIAL: SILICONE (J-210 OR EQUIV.)
 - COLOR: BLACK
 - OVERALL MAX DIAMETER: .185 ± .02
- E. CABLE FLEXIBILITY SHALL BE 6X THE FINISHED DIAMETER.

REVISIONS			
REV.	DESCRIPTION	DATE	ENG
A	INITLA REV.	4/27/2022	MOB
B	WIRE LENGTH TABLE ADDED	11/02/2023	CWA

TWISTED PAIR



SECTION A-A
P1 & P2 PINOUT
SCALE 4 : 1



BILL OF MATERIALS			
ITEM NO.	PART NO.	QTY	NAME/DESCRIPTION
1	A10WAM-P12XM0-0000	2	ODU CIRC . CONN., PLUG, 12 POS., PIN CONTACTS
2	BE-04	2	BANDING CLAMP
3	BN226422FEPSSIL-BLK	AR	CABLE: 22/26 AWG, 6C, SHIELDED, PU JACKET, OD: .20 IN

NOTES:

1. WIRING SHALL BE DONE IN ACCORDANCE WITH TABLE 1 WIRE RUN LIST.
2. TWISTED PAIR SHALL BE USB 2.0 COMPLIANT; 26 AWG, SHIELDED, 90 OHM DIFFERENTIAL.
3. 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.
4. 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.
5. 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:
 DIMENSIONS ARE IN: INCHES
 TOLERANCES: .XX: ± 0.03
 .XXX: ± 0.005
 ANGULAR: .X°: 1°
 .XX°: 0.5°
 BREAK EDGES: .005 - .020
 FILLETS: .005 - .020
 SURFACE FINISH:
 GEOMETRIC TOLERANCING
 PER: ASME Y14.5 -2009
 MATERIAL: SEE DRAWING NOTES
 FINISH: SEE DRAWING NOTES
 DO NOT SCALE DRAWING

NAME	DATE
DRAWN MOB	04/27/22
CHECKED RB	04/27/22
COMMENTS:	
PROPRIETARY AND CONFIDENTIAL	
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CAGE CODE: 1HJX9	

REF. NUMBER: SN0715

SupplyNet DESIGN ENGINEERING MANUFACTURING

TITLE: **DUAL ODU CABLE ASSEMBLY**

SIZE B	DWG. NO. SN-2009	REV B
SCALE: NA	WEIGHT:	SHEET 1 OF 1