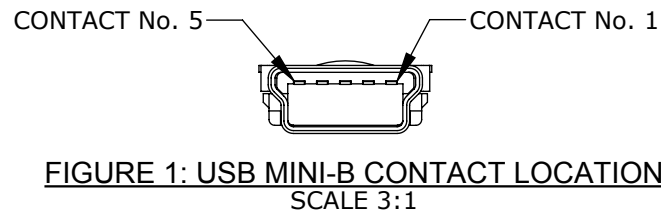
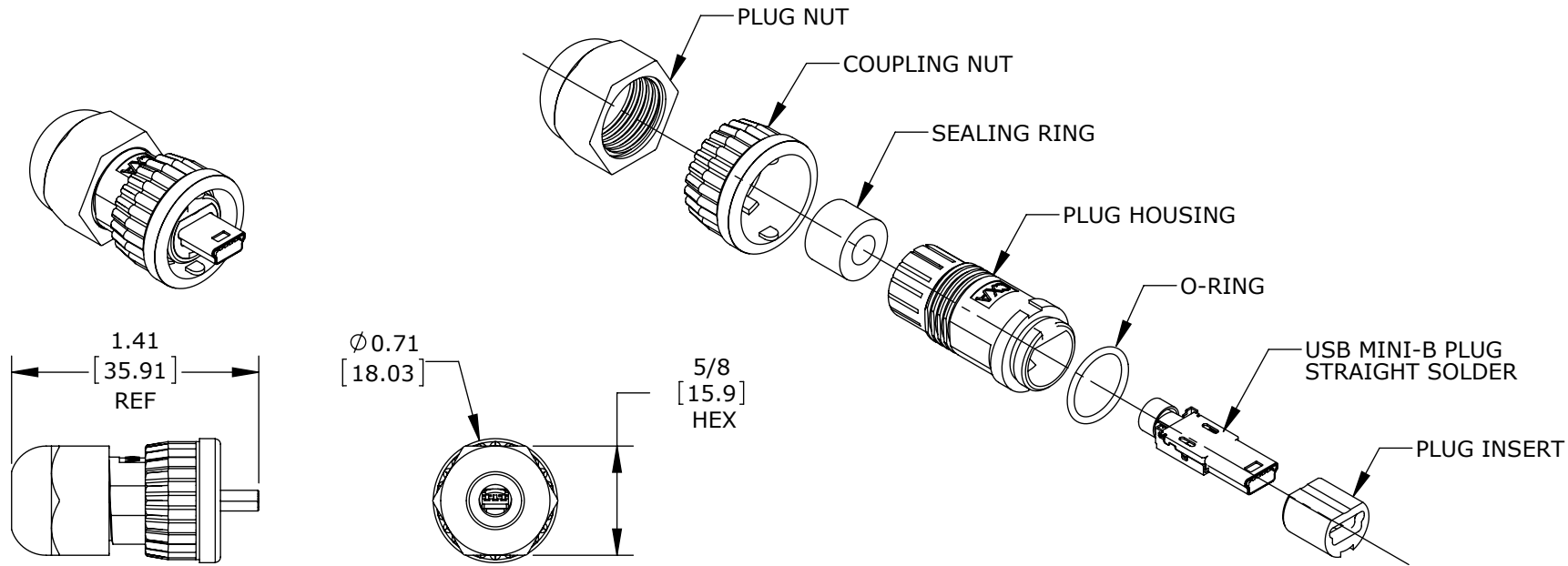


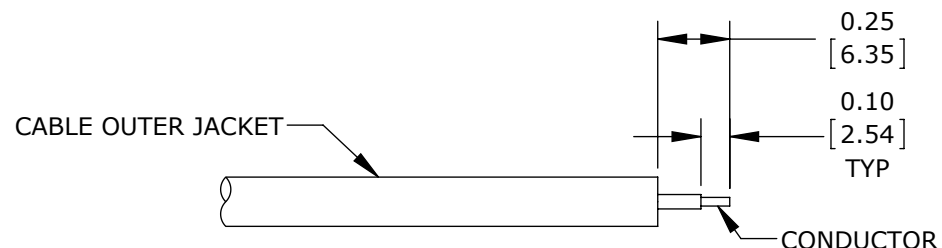
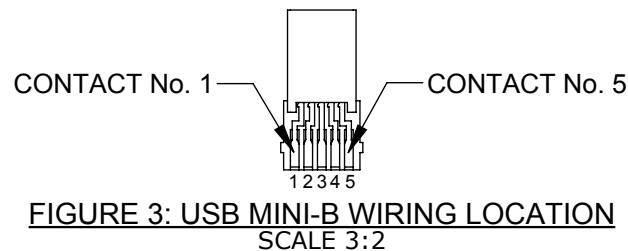
NOTES:

1. PRODUCT IS RATED AT IP67 & IP68, NEMA 250 (6P) WHEN MATED.
2. PRODUCT IS TESTED PER USB 2.0 SPECIFICATIONS.
3. OPERATING TEMPERATURE: -20°C TO +75°C.
4. MATERIALS:
PLUG NUT, COUPLING NUT, PLUG HOUSING, & INSERT:
THERMOPLASTIC.
O-RING & SEALING RING: ELASTOMER.
PLUG INSULATOR: THERMOPLASTIC, UL94V-0, BLACK.
PLUG CONTACTS: COPPER ALLOY, GOLD PLATED (CONTACT AREA).
METAL SHIELD: STEEL, TIN PLATED.
5. ENVIRONMENTAL & MECHANICAL SPECIFICATIONS (WHEN MATED):
MOISTURE RESISTANCE: MIL-STD 202G METHOD 106G.
INSULATION RESISTANCE: MIL-STD 202G METHOD 302G.
THERMAL SHOCK: MIL-STD 202G METHOD 107G.
VIBRATION: MIL-STD 202G METHOD 201A.
LIFE: 500 CYCLES MINIMUM (COUPLING NUT).
SALT SPRAY: MIL-STD 202G METHOD 101E.
6. PARTS SHIPPED BULK PACKAGED, UNASSEMBLED.

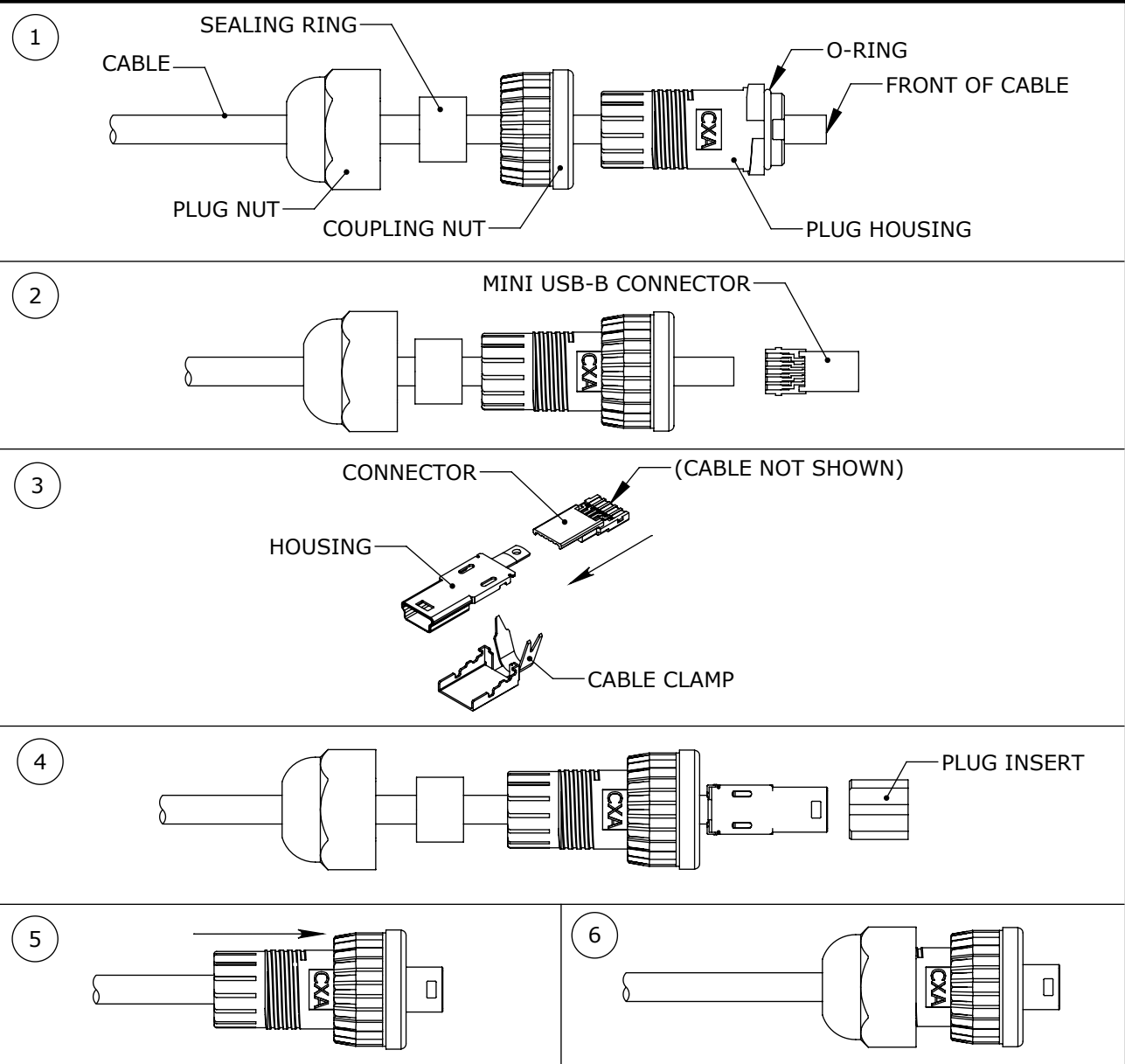


CONTACT NUMBER	TYPICAL WIRING PER USB 2.0
1	RED
2	WHITE
3	GREEN
4	NOT CONNECTED
5	BLACK
SHELL	DRAIN WIRE

FIGURE 2: USB MINI-B CONNECTOR TERMINATION

FIGURE 4: RECOMMENDED STRIP DETAIL
SCALE 3:2

PART NUMBER	DESCRIPTION	CABLE O.D. RANGE
DCC-USBNB-160	USB MINI B FIELD INSTALLABLE PLUG	0.161 - 0.181in [4.1 - 4.6mm]



ASSEMBLY INSTRUCTIONS:

1. FIT THE O-RING OVER THE PLUG HOUSING. SLIDE THE PLUG NUT, SEALING RING, THE COUPLING NUT, AND PLUG HOUSING OVER THE CABLE. (CABLE IS CUSTOMER SUPPLIED.)
2. STRIP THE CABLE PER THE RECOMMENDED STRIP DETAIL SHOWN IN FIGURE 4, AND SOLDER THE CONDUCTORS TO THE APPROPRIATE PINOUT OF THE CONNECTOR. THE RECOMMENDED USB 2.0 PINOUT IS SHOWN IN FIGURE 2.
3. ONCE CABLE IS SOLDERED TO THE CONNECTOR, SLIDE THE CONNECTOR INTO THE HOUSING AND SNAP THE ASSEMBLY INTO THE CABLE CLAMP. CLAMP THE USB MINI-B ASSEMBLY OVER THE CABLE USING STANDARD FLAT PLIERS.
4. INSERT THE USB MINI-B CABLE ASSEMBLY INTO THE PLUG INSERT.
5. SLIDE THE PLUG HOUSING SO THAT IT SNAPS OVER THE PLUG INSERT AND USB MINI-B ASSEMBLY.
6. PUSH THE SEALING RING INTO THE REAR OF THE PLUG HOUSING. (NOTE: NO PART OF THE SEALING RING SHOULD EXTEND PAST THE REAR OF THE PLUG HOUSING.) SCREW THE PLUG NUT ONTO THE PLUG HOUSING TO A TORQUE OF 3 INCH-LBS MINIMUM.

RoHS COMPLIANT

B	AN	09-15-14	UPDATED MANUFACTURING DRAWING PER ECR 8705
	AN	02-22-13	REVISED TO CXA SATADARD AND RELEASE
A	JGK	08-02-12	DRAWING CREATED PER PROJECT #09013-A.
REV.	INIT.	DATE	DESCRIPTION
	JGK	09/28/10	ALL INFORMATION ILLUSTRATED IS THE PROPERTY OF CONXALL CORPORATION. UNAUTHORIZED DUPLICATION OR DISTRIBUTION OF THIS DOCUMENT IS PROHIBITED.
			ALL UNITS ARE IN FEET, INCHES, FRACTION OF INCHES AND DECIMALS.
			ORIG. DRAWN BY: DATE: 09/28/10
			CHECKED BY:
			APPROVED BY:
			SCALE: NTS SIZE: B SHEET: 1 OF 1
			FILE: DCC-USBNB-XXX_CD DIRECTORY: SLW
			TITLE: USB MINI-B CABLE SERIES FOR INDUSTRIAL DATA CONNECTORS DATA-CON-X
			CUSTOMER: STANDARD PRODUCT
			PART NUMBER: DCC-USBNB-XXX
			REV B