

NOTES:

MATERIALS:

SEALING NUT: THERMOPLASTIC  
COUPLING RING: THERMOPLASTIC  
SEALING RING: ELASTOMER  
PLUG HOUSING: THERMOPLASTIC  
O-RING: ELASTOMER  
RJ45 PLUG:  
INSULATOR: THERMOPLASTIC  
CONTACTS: COPPER ALLOY, GOLD PLATED  
SHIELD (SHIELDED OPTION ONLY): COPPER ALLOY, TIN PLATED  
INSERT: THERMOPLASTIC

ELECTRICAL:

CONTACT RESISTANCE: 20 MILLIOHMS MAXIMUM  
INSULATION RESISTANCE: 500 MEGAOHMS MINIMUM  
WITHSTANDING VOLTAGE: 1000V DC

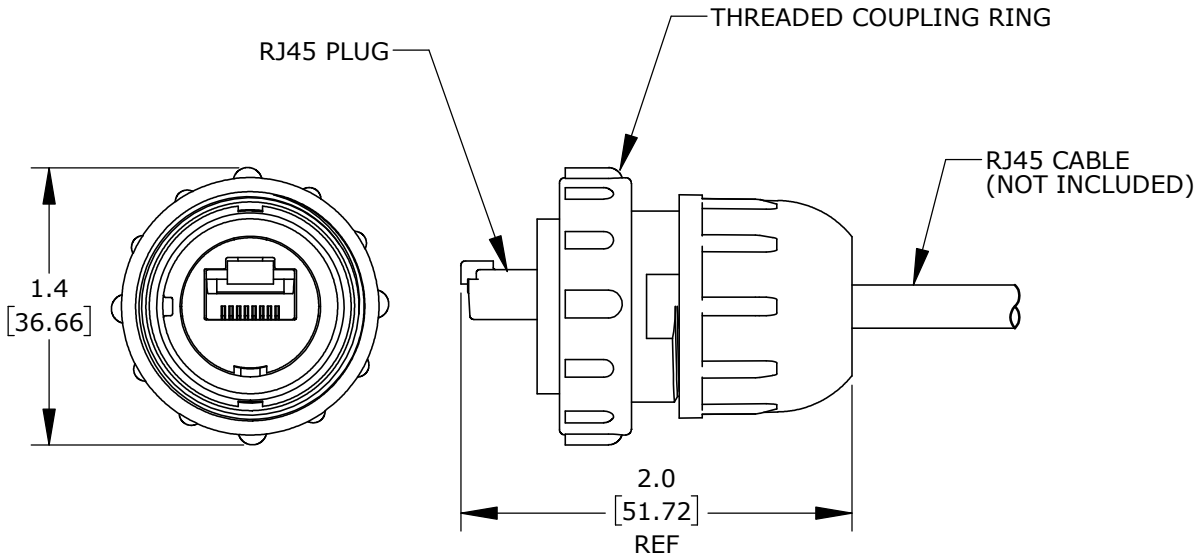
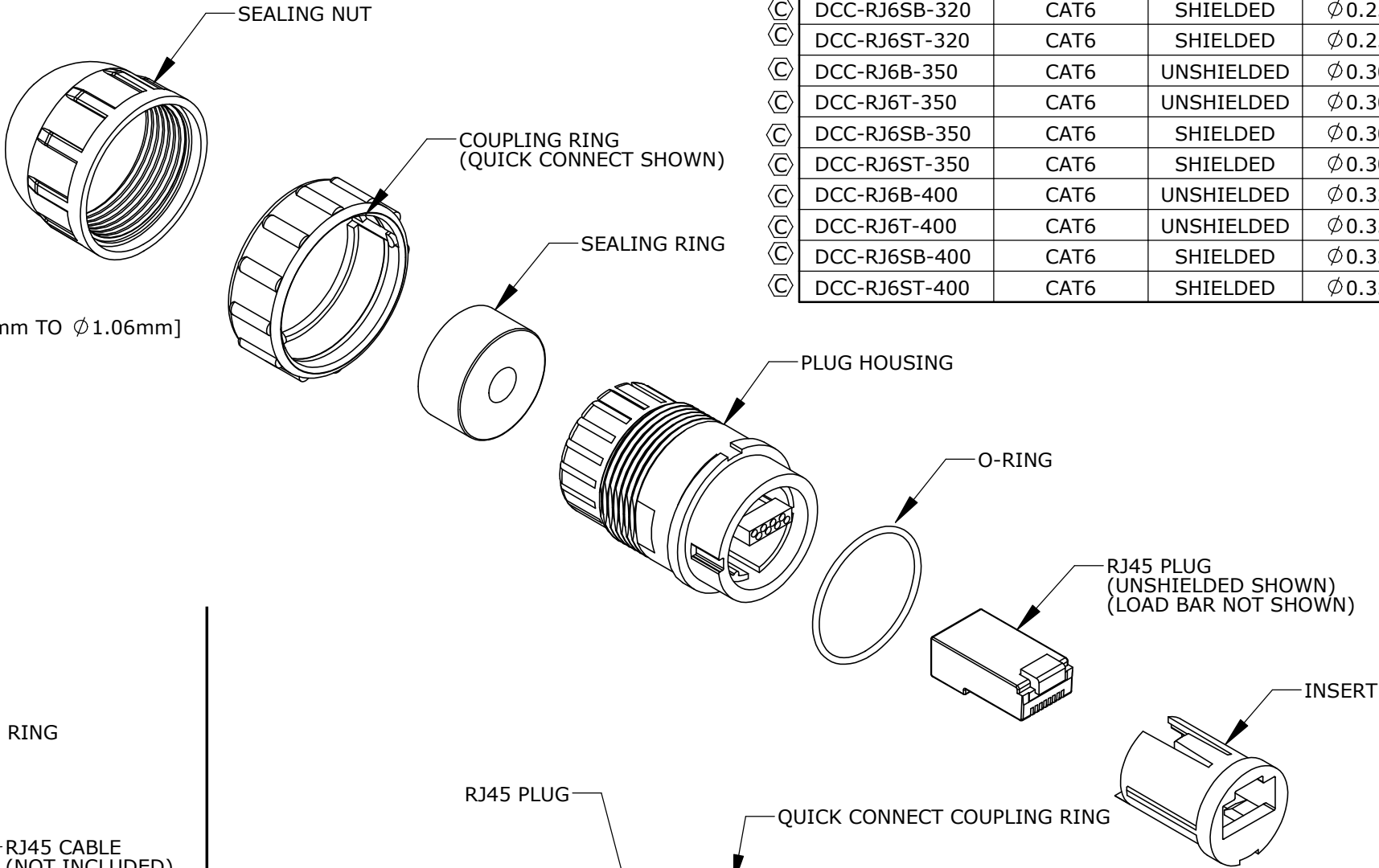
PRODUCT RATING:

IP67 & IP68, NEMA 250 (6P)  
RJ45 PLUG: CATEGORY 6 TIA/EIA 568 C.2

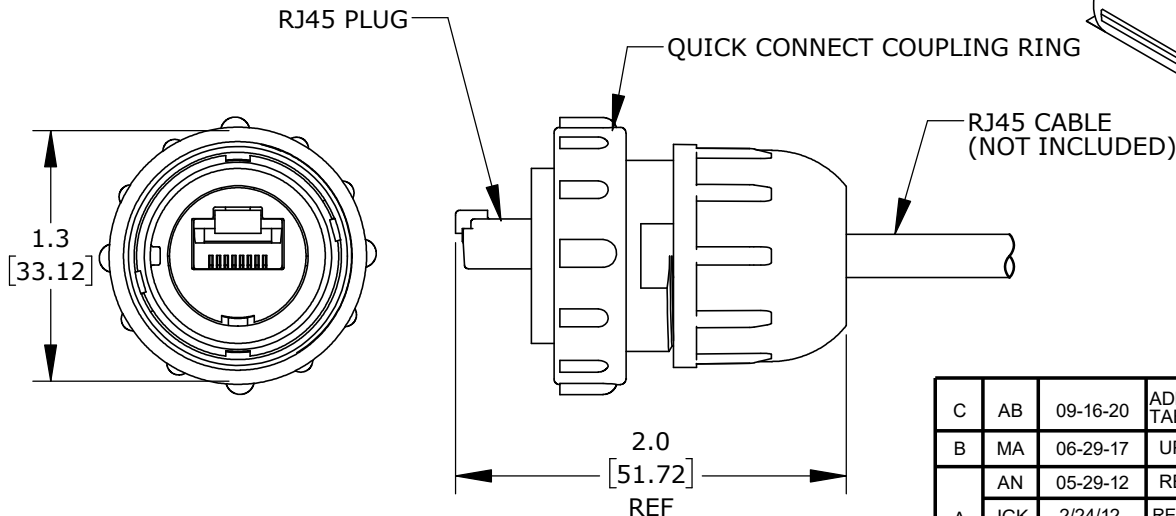
OTHER:

OPERATING TEMPERATURE: -10 °C TO +60 °C  
RECOMMENDED CABLE TYPE:  
CONDUCTOR TYPE: SOLID OR STRANDED CONDUCTORS  
OUTER CABLE O.D. RANGE: SEE TABLE  
CONDUCTOR INSULATOR O.D. RANGE: Ø0.037 TO Ø0.042 [Ø0.94mm TO Ø1.06mm]  
RECOMMENDED CRIMP/TERMINATION TOOLS:  
SENTINEL:  
HAND RATCHET TOOL, PART NUMBER "900005"  
DIE SET, PART NUMBER "900216"

| PART NUMBER   | RJ45 TYPE | SHIELDING  | CABLE RANGE   | COUPLING TYPE |
|---------------|-----------|------------|---------------|---------------|
| DCC-RJ6B-310  | CAT6      | UNSHIELDED | Ø 0.190-0.250 | QUICK CONNECT |
| DCC-RJ6T-310  | CAT6      | UNSHIELDED | Ø 0.190-0.250 | THREADED      |
| DCC-RJ6SB-310 | CAT6      | SHIELDED   | Ø 0.190-0.250 | QUICK CONNECT |
| DCC-RJ6ST-310 | CAT6      | SHIELDED   | Ø 0.190-0.250 | THREADED      |
| DCC-RJ6B-320  | CAT6      | UNSHIELDED | Ø 0.251-0.300 | QUICK CONNECT |
| DCC-RJ6T-320  | CAT6      | UNSHIELDED | Ø 0.251-0.300 | THREADED      |
| DCC-RJ6SB-320 | CAT6      | SHIELDED   | Ø 0.251-0.300 | QUICK CONNECT |
| DCC-RJ6ST-320 | CAT6      | SHIELDED   | Ø 0.251-0.300 | THREADED      |
| DCC-RJ6B-350  | CAT6      | UNSHIELDED | Ø 0.301-0.350 | QUICK CONNECT |
| DCC-RJ6T-350  | CAT6      | UNSHIELDED | Ø 0.301-0.350 | THREADED      |
| DCC-RJ6SB-350 | CAT6      | SHIELDED   | Ø 0.301-0.350 | QUICK CONNECT |
| DCC-RJ6ST-350 | CAT6      | SHIELDED   | Ø 0.301-0.350 | THREADED      |
| DCC-RJ6B-400  | CAT6      | UNSHIELDED | Ø 0.351-0.400 | QUICK CONNECT |
| DCC-RJ6T-400  | CAT6      | UNSHIELDED | Ø 0.351-0.400 | THREADED      |
| DCC-RJ6SB-400 | CAT6      | SHIELDED   | Ø 0.351-0.400 | QUICK CONNECT |
| DCC-RJ6ST-400 | CAT6      | SHIELDED   | Ø 0.351-0.400 | THREADED      |



INDUSTRIAL RJ45 CABLE PLUG  
THREADED COUPLING  
(DCC-RJ6T-310 SHOWN)

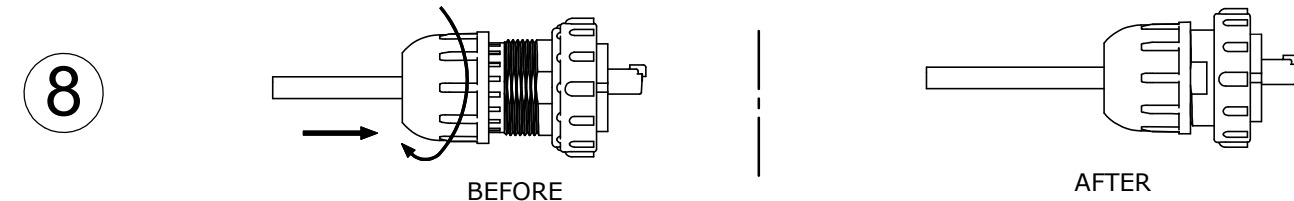
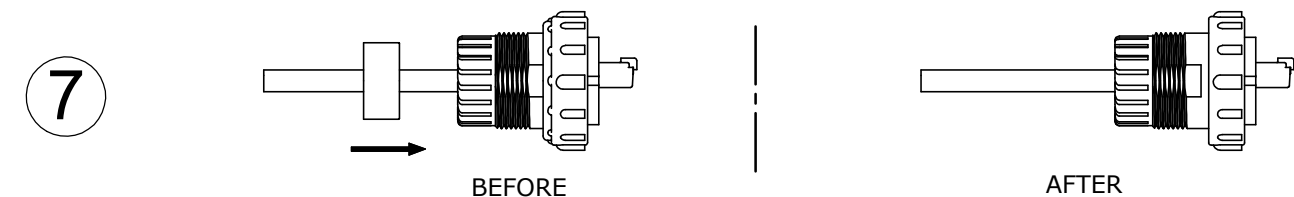
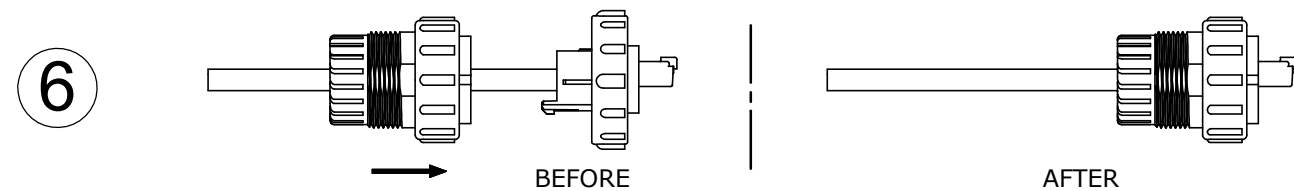
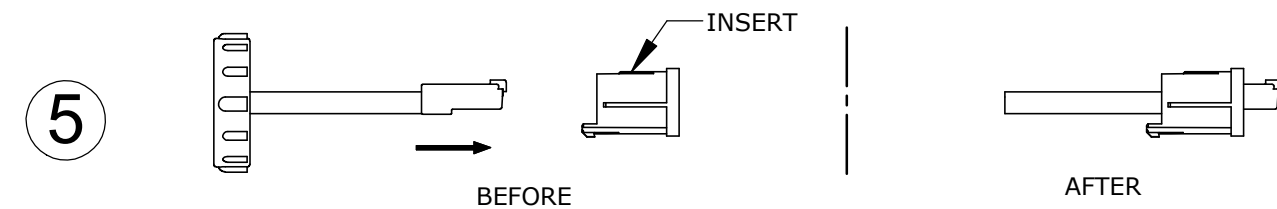
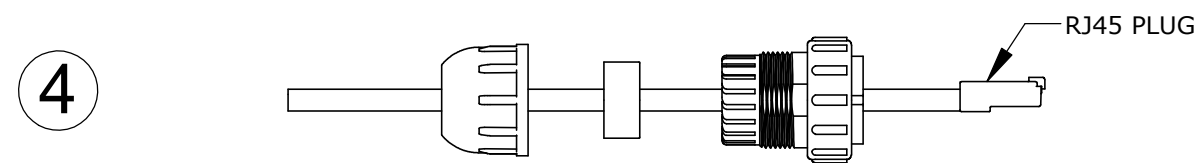
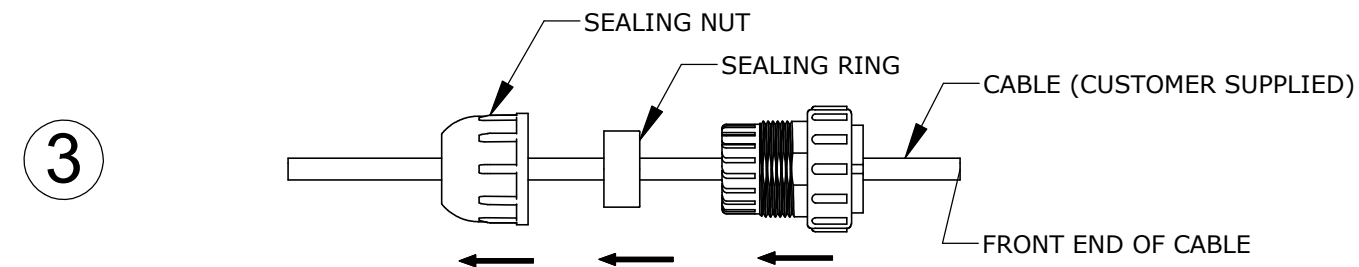
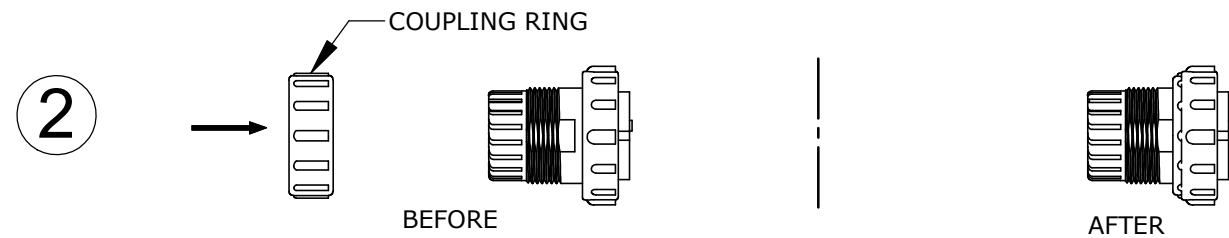
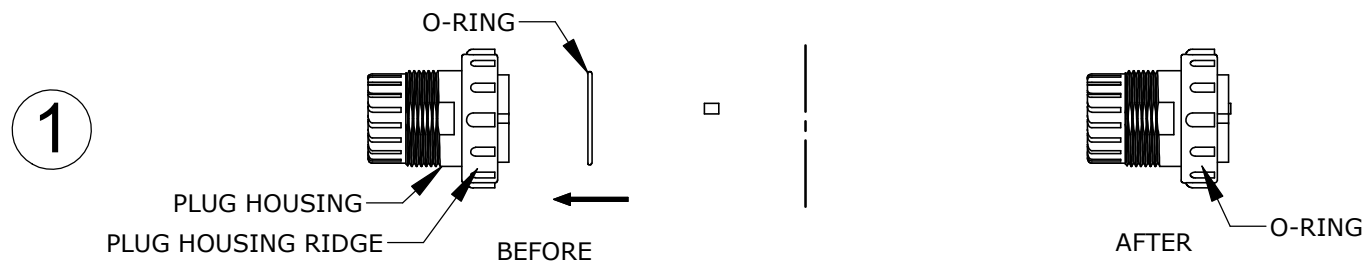


INDUSTRIAL RJ45 CABLE PLUG  
QUICK CONNECT COUPLING  
(DCC-RJ6B-310 SHOWN)

DIMENSIONS IN BRACKET [ ] ARE METRIC.

RoHS COMPLIANT

|                                                                                                                                                                                                        |     |          |                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|----------------------------------------------------------------------------------------|
| C                                                                                                                                                                                                      | AB  | 09-16-20 | ADDED NEW P/N'S DCCXXX-320/-350/-400 & SEALING RING P/N'S TO TABLE PER DOR 20-107550JS |
| B                                                                                                                                                                                                      | MA  | 06-29-17 | UPDATED COMPONENT PER ECR 8944                                                         |
|                                                                                                                                                                                                        | AN  | 05-29-12 | REVISED TO CXA STANDARD                                                                |
| A                                                                                                                                                                                                      | JGK | 2/24/12  | RELEASE TO MAUNFACTURING. SEE REV "0D" FOR HISTORY. PER DOR 08003                      |
| ALL INFORMATION ILLUSTRATED IS THE PROPERTY OF "CONXALL CORPORATION". UNAUTHORIZED DUPLICATION OR DISTRIBUTION OF THIS DOCUMENT IS PROHIBITED.                                                         |     |          | ORIG. DRAWN BY: DATE: BAS 07/23/10                                                     |
| ALL UNITS ARE IN FEET, INCHES, FRACTION OF INCHES AND DECIMALS. UNLESS OTHERWISE SPECIFIED TOLERANCES: 3 PLACE DECIMALS ±.005 ANGLES ±1° FRACTIONS ±1/16 - CRITICAL CHARACTERISTIC FLAG PER SPEC. XXXX |     |          | CHECKED BY:                                                                            |
|                                                                                                                                                                                                        |     |          | APPROVED BY:                                                                           |
|                                                                                                                                                                                                        |     |          | SCALE NTS SIZE B SHEET 1 OF 2                                                          |
|                                                                                                                                                                                                        |     |          | FILE: DCC-RJ SERIES DIRECTORY: SLW                                                     |
|                                                                                                                                                                                                        |     |          | TITLE: INDUSTRIAL RJ45 PLUG FIELD INSTALLABLE DATA-CON-X STANDARD PRODUCT              |
|                                                                                                                                                                                                        |     |          | CUSTOMER: PART NUMBER: DCC-RJ SERIES                                                   |
|                                                                                                                                                                                                        |     |          | REV C                                                                                  |

**ASSEMBLY INSTRUCTIONS:**

1. SLIDE THE O-RING ONTO THE FRONT END OF THE PLUG HOUSING UNTIL IT SEATS UP AGAINST THE RIDGE ON THE PLUG HOUSING.
2. SLIDE THE COUPLING RING OVER THE PLUG HOUSING.  
NOTE: MAKE SURE THE FRONT OF THE COUPLING RING CAN SLIDE PAST THE RIDGE ON THE PLUG HOUSING. IF NOT, IT IS INSERTED THE WRONG WAY.
3. SLIDE THE SEALING NUT, SEALING RING, AND PLUG HOUSING/COUPLING RING OVER THE FRONT END OF THE CABLE IN THE FOLLOWING ORDER:  
1ST. SEALING NUT.  
2ND. SEALING RING.  
3RD. PLUG HOUSING/COUPLING RING.
4. TERMINATE THE RJ45 PLUG TO THE CABLE.  
NOTE: SEE SUPPLEMENTAL TERMINATION GUIDES FOR CABLE TERMINATION INSTRUCTIONS.
5. SLIDE THE RJ45 PLUG INTO THE BACK END OF THE INSERT UNTIL IT SNAPS INTO PLACE.
6. SLIDE THE INSERT/RJ45 PLUG INTO THE FRONT END OF THE PLUG HOUSING UNTIL IT SNAPS INTO PLACE.
7. 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.
8. SCREW THE SEALING NUT ONTO THE PLUG HOUSING.

|                                                                                                                                                                                                        |       |          |                                                                                        |                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| C                                                                                                                                                                                                      | AB    | 09-16-20 | ADDED NEW P/N'S DCCXXX-320/-350/-400 & SEALING RING P/N'S TO TABLE PER DOR 20-107550JS |                                                                                                                               |
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| REV.                                                                                                                                                                                                   | INIT. | DATE     | DESCRIPTION                                                                            |                                                                                                                               |
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|                                                                                                                                                                                                        |       |          | APPROVED BY:                                                                           |                                                                                                                               |
|                                                                                                                                                                                                        |       |          | SCALE: NTS                                                                             | TITLE: INDUSTRIAL RJ45 PLUG FIELD INSTALLABLE DATA-CON-X STANDARD PRODUCT                                                     |
|                                                                                                                                                                                                        |       |          | SIZE: B                                                                                |                                                                                                                               |
|                                                                                                                                                                                                        |       |          | SHEET: 2 OF 2                                                                          | CUSTOMER: DCC-RJ SERIES                                                                                                       |
|                                                                                                                                                                                                        |       |          | FILE: DCC-RJ SERIES                                                                    |                                                                                                                               |
|                                                                                                                                                                                                        |       |          | DIRECTORY: SLW                                                                         | REV: C                                                                                                                        |

**RoHS COMPLIANT**