

CUSTOMER DRAWING

PART NUMBER: DCC-RJ SERIES

**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

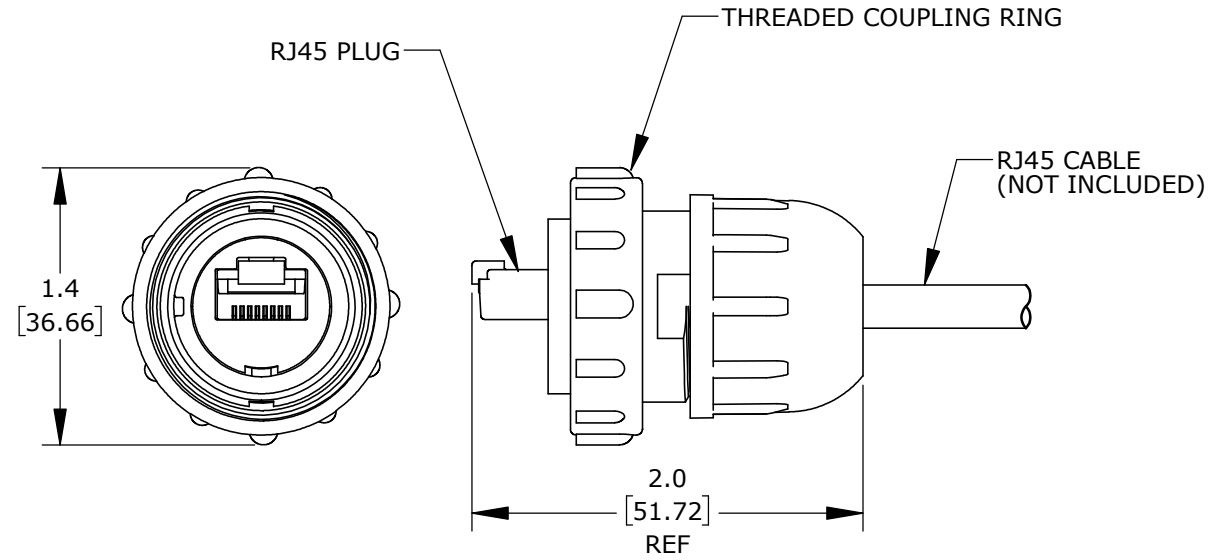
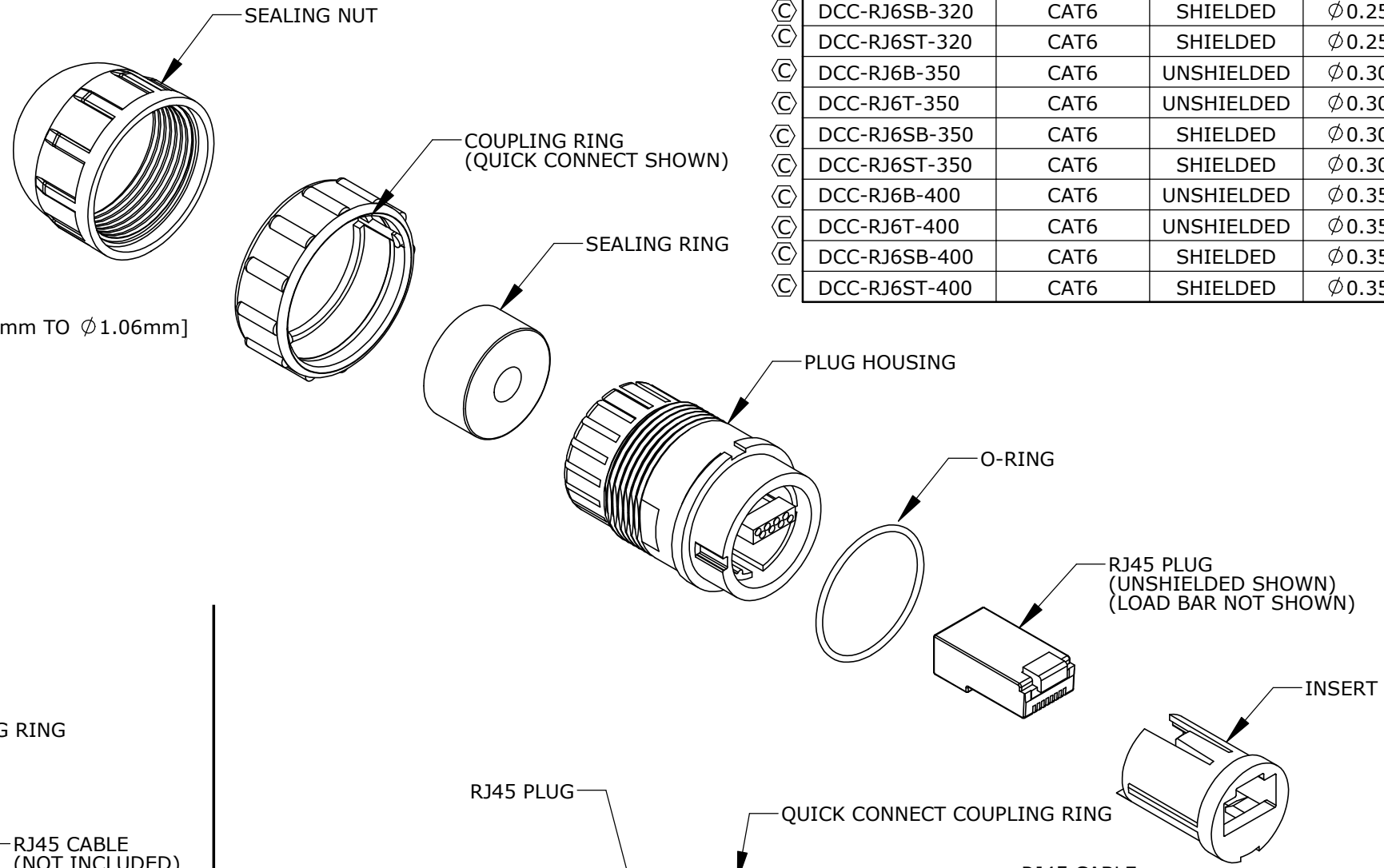
**PRODUCT RATING:**

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

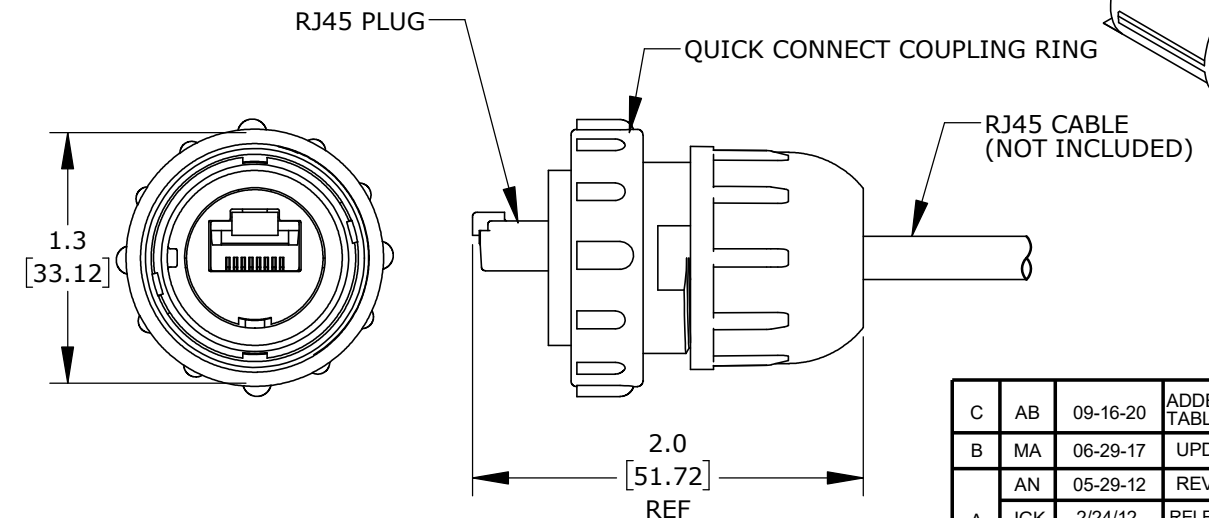
**OTHER:**

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:  $\phi 0.037$  TO  $\phi 0.042$  [ $\phi 0.94\text{mm}$  TO  $\phi 1.06\text{mm}$ ]  
 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	$\phi 0.190-0.250$	QUICK CONNECT
DCC-RJ6T-310	CAT6	UNSHIELDED	$\phi 0.190-0.250$	THREADED
DCC-RJ6SB-310	CAT6	SHIELDED	$\phi 0.190-0.250$	QUICK CONNECT
DCC-RJ6ST-310	CAT6	SHIELDED	$\phi 0.190-0.250$	THREADED
Ⓢ DCC-RJ6B-320	CAT6	UNSHIELDED	$\phi 0.251-0.300$	QUICK CONNECT
Ⓢ DCC-RJ6T-320	CAT6	UNSHIELDED	$\phi 0.251-0.300$	THREADED
Ⓢ DCC-RJ6SB-320	CAT6	SHIELDED	$\phi 0.251-0.300$	QUICK CONNECT
Ⓢ DCC-RJ6ST-320	CAT6	SHIELDED	$\phi 0.251-0.300$	THREADED
Ⓢ DCC-RJ6B-350	CAT6	UNSHIELDED	$\phi 0.301-0.350$	QUICK CONNECT
Ⓢ DCC-RJ6T-350	CAT6	UNSHIELDED	$\phi 0.301-0.350$	THREADED
Ⓢ DCC-RJ6SB-350	CAT6	SHIELDED	$\phi 0.301-0.350$	QUICK CONNECT
Ⓢ DCC-RJ6ST-350	CAT6	SHIELDED	$\phi 0.301-0.350$	THREADED
Ⓢ DCC-RJ6B-400	CAT6	UNSHIELDED	$\phi 0.351-0.400$	QUICK CONNECT
Ⓢ DCC-RJ6T-400	CAT6	UNSHIELDED	$\phi 0.351-0.400$	THREADED
Ⓢ DCC-RJ6SB-400	CAT6	SHIELDED	$\phi 0.351-0.400$	QUICK CONNECT
Ⓢ DCC-RJ6ST-400	CAT6	SHIELDED	$\phi 0.351-0.400$	THREADED



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

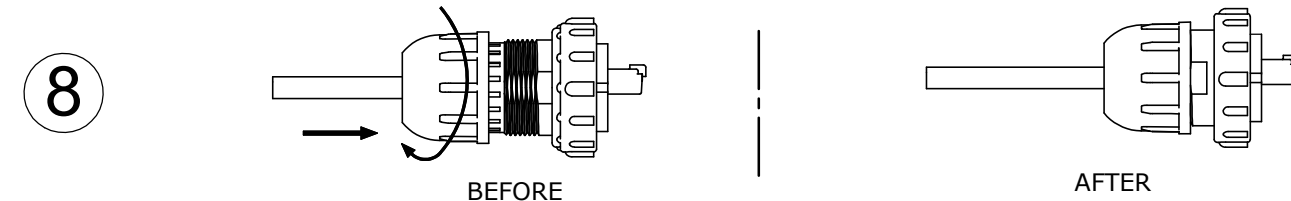
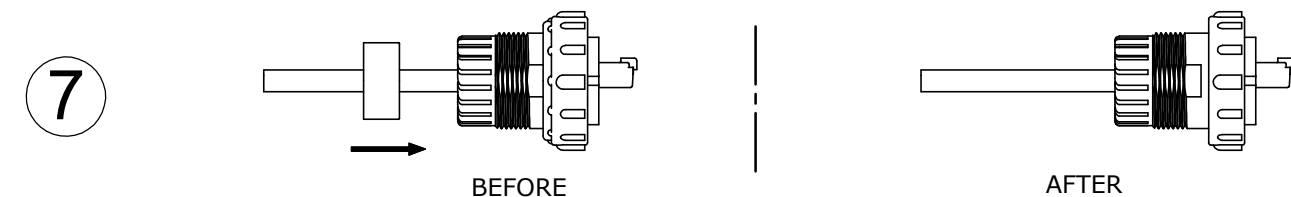
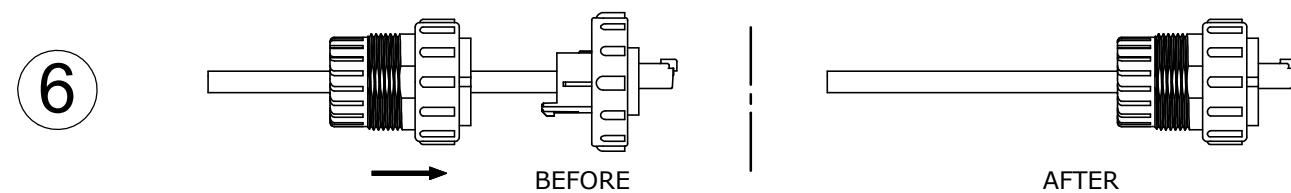
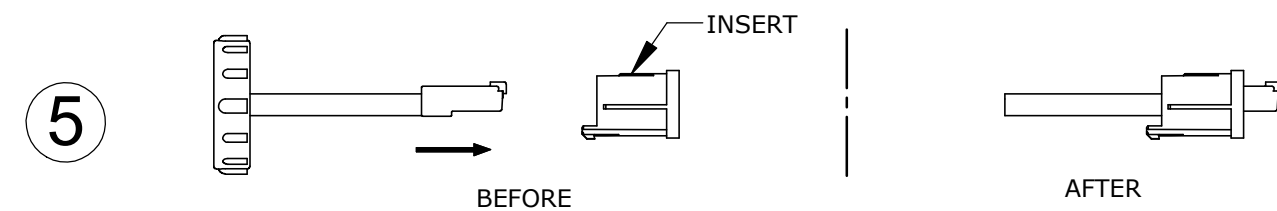
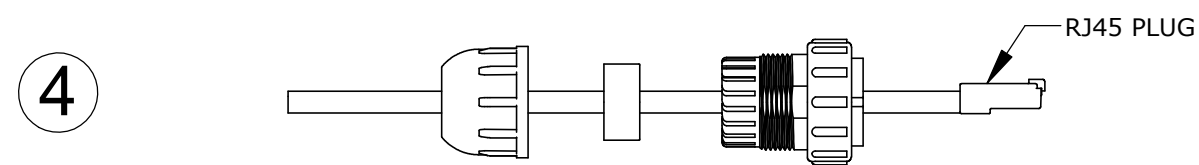
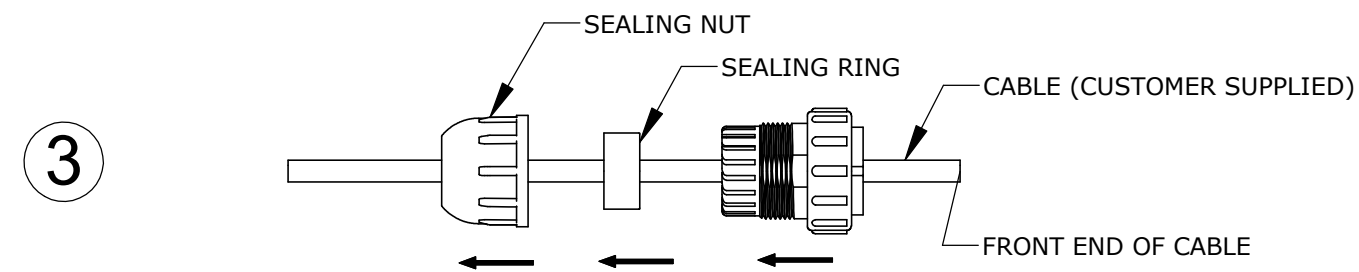
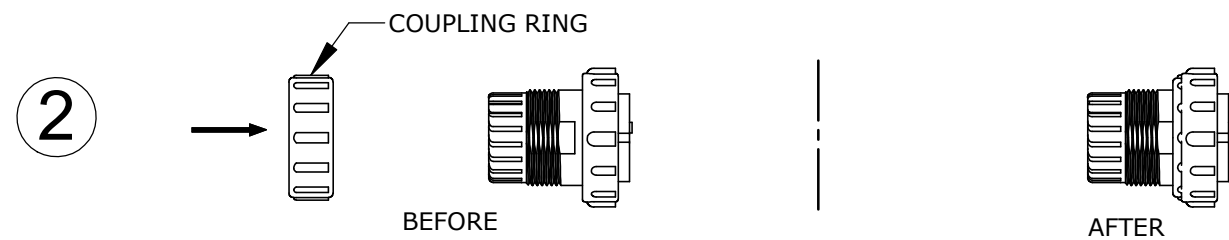
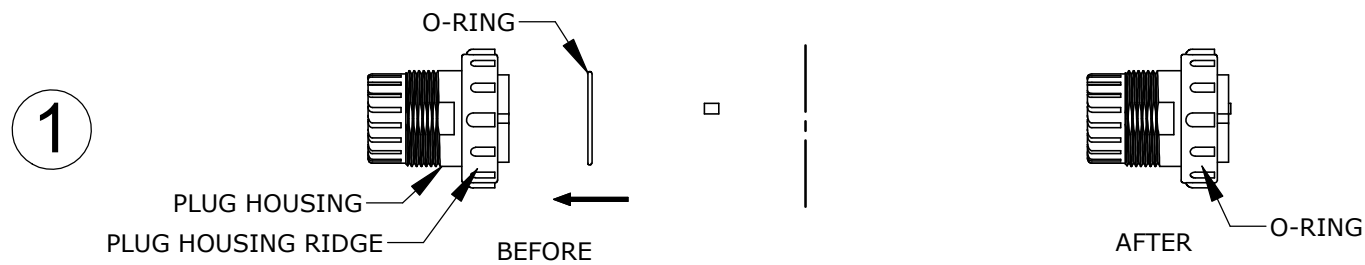


**INDUSTRIAL RJ45 CABLE PLUG  
 QUICK CONNECT COUPLING  
 (DCC-RJ6B-310 SHOWN)**

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 MAUNUFACTURING. 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: <b>BAS</b> DATE: <b>07/23/10</b>
ALL UNITS ARE IN FEET, INCHES, FRACTION OF INCHES AND DECIMALS. UNLESS OTHERWISE SPECIFIED TOLERANCES: 3 PLACE DECIMALS ±.005 ANGLES ±1° FRACTIONS ±1/16			CHECKED BY:  APPROVED BY:
FILE: DCC-RJ SERIES DIRECTORY: SLW			TITLE: <b>INDUSTRIAL RJ45 PLUG                  FIELD INSTALLABLE                  DATA-CON-X                  STANDARD PRODUCT</b> CUSTOMER:
PART NUMBER: DCC-RJ SERIES			REV <b>C</b>

**ASSEMBLY INSTRUCTIONS:**

- SLIDE THE O-RING ONTO THE FRONT END OF THE PLUG HOUSING UNTIL IT SEATS UP AGAINST THE RIDGE ON THE PLUG HOUSING.
- 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.
- 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.
- TERMINATE THE RJ45 PLUG TO THE CABLE.  
NOTE: SEE SUPPLEMENTAL TERMINATION GUIDES FOR CABLE TERMINATION INSTRUCTIONS.
- SLIDE THE RJ45 PLUG INTO THE BACK END OF THE INSERT UNTIL IT SNAPS INTO PLACE.
- SLIDE THE INSERT/RJ45 PLUG INTO THE FRONT END OF THE PLUG HOUSING UNTIL IT SNAPS INTO PLACE.
- 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 SEALING NUT ONTO THE PLUG HOUSING.

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REV.	INIT.	DATE	DESCRIPTION
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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:			TITLE: INDUSTRIAL RJ45 PLUG FIELD INSTALLABLE DATA-CON-X STANDARD PRODUCT
SCALE	SIZE	SHEET	CUSTOMER:
NTS	B	2 OF 2	STANDARD PRODUCT
FILE:	DIRECTORY:	PART NUMBER:	REV
DCC-RJ SERIES	SLW	DCC-RJ SERIES	C

**RoHS COMPLIANT**