

PROPRIETARY AND CONFIDENTIAL

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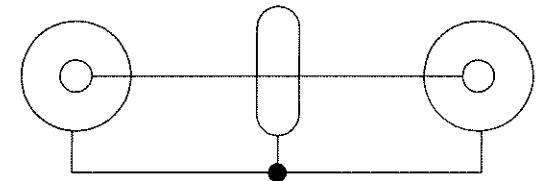
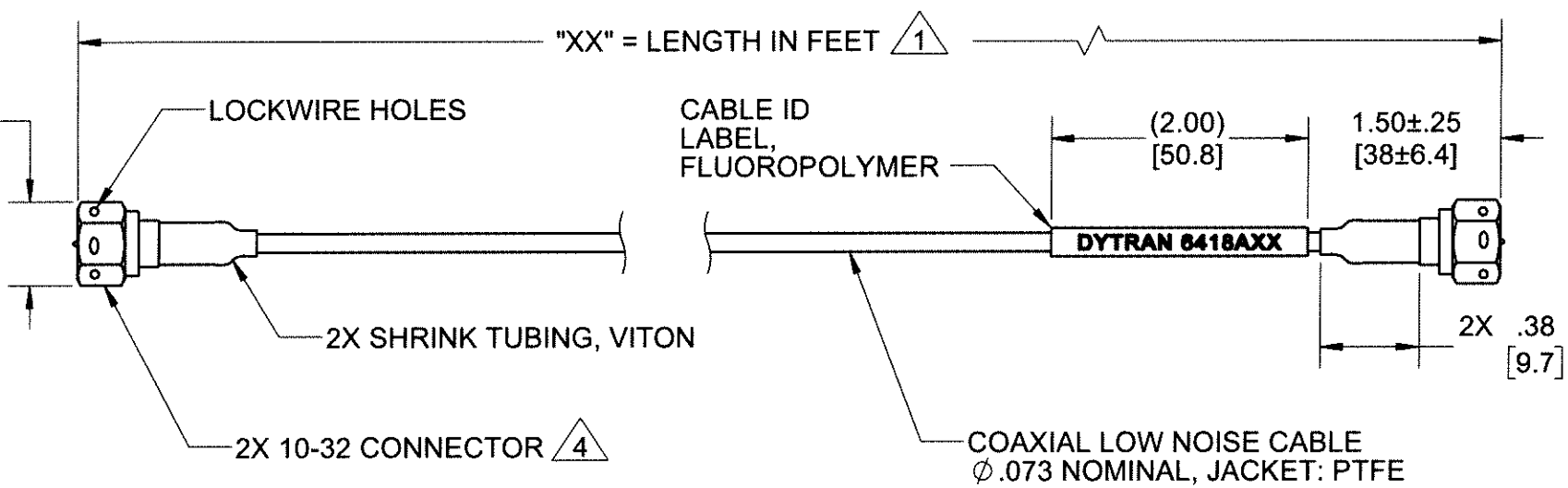
REVISIONS

| REV | ECN | DESCRIPTION | BY/DATE | CHK | APPR |
|-----|-------|---|-----------------|-----|------|
| A | 11207 | INITIAL RELEASE | NDC 08/29/14 | JS | AS |
| B | 12389 | SEE ECN | RA, 12/09/15 | EM | LN |
| C | 14571 | ADDED FLAG NOTE 4. ADDED SHEET 2: CONNECTOR INSTRUCTIONS. UPDATED SHEET FORMAT. | KG 10/01/18 | DP | W |

1 CABLE LENGTH TOLERANCE

| | |
|----------------|------------|
| ≤1FT | +1/ -0 IN |
| >1 FT - 5 FT | +2/ -0 IN |
| > 5 FT - 10 FT | +4/ -0 IN |
| >10 FT - 25FT | +6 / -0 IN |
| >25 FT | +5% / -0% |

| SINGLE CONDUCTOR LOW NOISE CABLE | |
|----------------------------------|--|
| AWG | 30-7/38 NICKEL PLATED COPPER |
| TEMP | 200 DEG C WIRE RATED |
| VOLTAGE | 600 VOLTS |
| CONDUCTOR INSULATION | EXTRUDED PTFE, CLEAR, Ø.032 NOM. |
| LOW NOISE WRAP #1 & #2 | CARBON TAPE |
| SHIELD | 38 AWG SILVER PLATED COPPER BRAID, 85% MIN COVERAGE, Ø.050 NOM |
| JACKET | RED PTFE WRAP |
| DIAMETER | Ø.073 NOM. |



SCHEMATIC DIAGRAM

- 4 SEE SHEET 2 FOR INSTALLATION & REMOVAL INSTRUCTIONS.
 - 3. MAXIMUM COUPLING TORQUE: 8 LB-IN.
 - 2. OPERATING TEMPERATURE: -67°F (-55°C) TO 392°F (200°C).
 - 1 MODEL NO. 6418AXX. XX DENOTES FEET IN LENGTH.
- NOTES: UNLESS OTHERWISE SPECIFIED

| <small>UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. DIMENSIONS APPLY AFTER FINISHING.</small> | <small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE</small> | | | MASTER <small>ONLY IF IN RED</small> | | | | | | | | | | | | | | |
|--|---|--|-------------------|--|--|-----|----------|-----|----|----------|-----|----|----------|---|--|--|--------------|--|
| | <small>DECIMALS .XX ±.03 .XXX ±.010</small> | <small>METRIC X ± 0.8 XX ±0.25</small> | | <small>ANGLES ±1°</small> | TITLE: OUTLINE/INSTALLATION DRAWING, CABLE, LOW-NOISE, LOW OUT GASSING, 10-32 TO 10-32, MODEL 6418A | | | | | | | | | | | | | |
| | <table border="1"> <tr> <th colspan="2">APPROVALS</th> <th>DATE</th> </tr> <tr> <td>ORIG</td> <td>NDC</td> <td>08/26/14</td> </tr> <tr> <td>CHK</td> <td>JS</td> <td>08/27/14</td> </tr> <tr> <td>APP</td> <td>AS</td> <td>09/03/14</td> </tr> </table> | APPROVALS | | DATE | ORIG | NDC | 08/26/14 | CHK | JS | 08/27/14 | APP | AS | 09/03/14 | <small>THIRD ANGLE PROJECTION</small> | | SIZE B CAGE CODE 2W033 DWG NO 127-6418A | REV C | |
| | APPROVALS | | | DATE | | | | | | | | | | | | | | |
| ORIG | NDC | 08/26/14 | | | | | | | | | | | | | | | | |
| CHK | JS | 08/27/14 | | | | | | | | | | | | | | | | |
| APP | AS | 09/03/14 | | | | | | | | | | | | | | | | |
| <small>DO NOT SCALE DRAWING</small> | | | SCALE: 3:2 | SHEET 1 OF 2 | | | | | | | | | | | | | | |

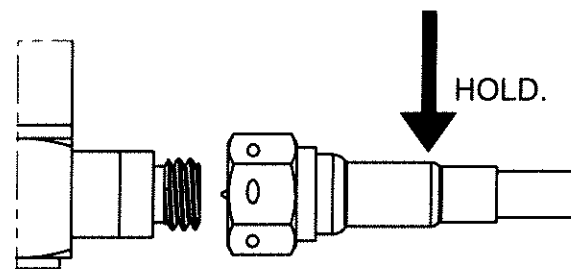
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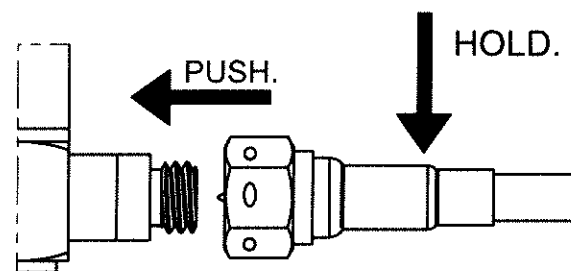
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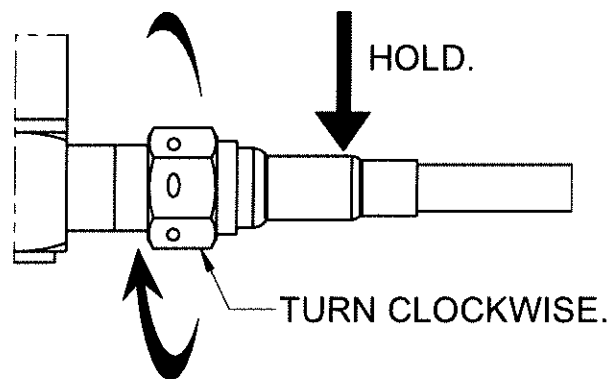
1. FIRMLY HOLD MOLDED STRAIN RELIEF TO PREVENT CONNECTOR PLUG FROM TURNING.



2. WHILE HOLDING STRAIN RELIEF, ALIGN CONNECTOR PLUG TO RECEPTACLE AND PUSH TO ENGAGE.



3. TURN COUPLING NUT IN CLOCKWISE DIRECTION UNTIL CONNECTOR IS FULLY COUPLED WITH SENSOR.



4. TO DECOUPLE FROM SENSOR, HOLD MOLDED STRAIN RELIEF AND TURN COUPLING NUT COUNTER-CLOCKWISE. PULL STRAIN RELIEF.

NOTE: DO NOT ROTATE SENSOR TO COUPLE/DECOUPLE. THIS CAN DAMAGE THE PINS AND POSSIBLY BREAK THEM.

C


C

B

B

A

A

| | | | |
|--|---------------------------|--|-----------------|
|  | | MASTER <small>ONLY IF IN RED</small> | |
| <small>Chatsworth, CA</small> | | | |
| TITLE: OUTLINE/INSTALLATION DRAWING, CABLE, LOW-NOISE, LOW OUT GASSING, 10-32 TO 10-32, MODEL 6418A | | | |
| SIZE B | CAGE CODE 2W033 | DWG NO 127-6418A | REV C |
| SCALE: 2:1 | PART NO: 6418AXX | SHEET 2 OF 2 | |