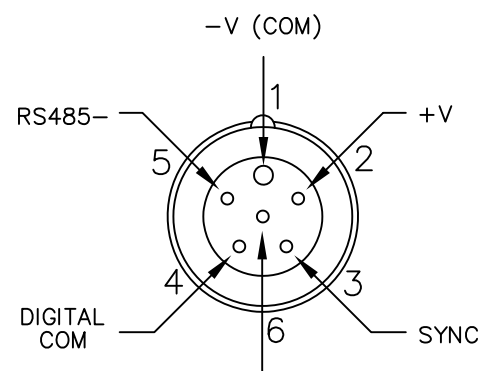
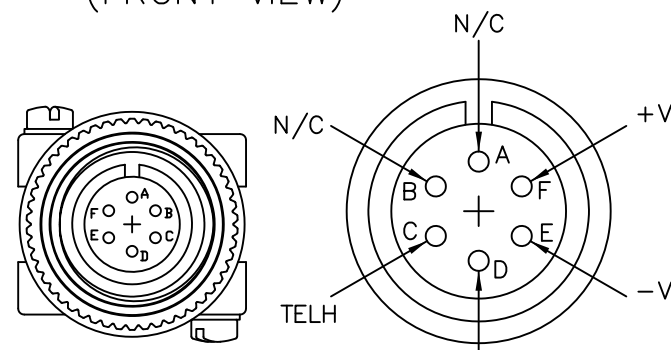


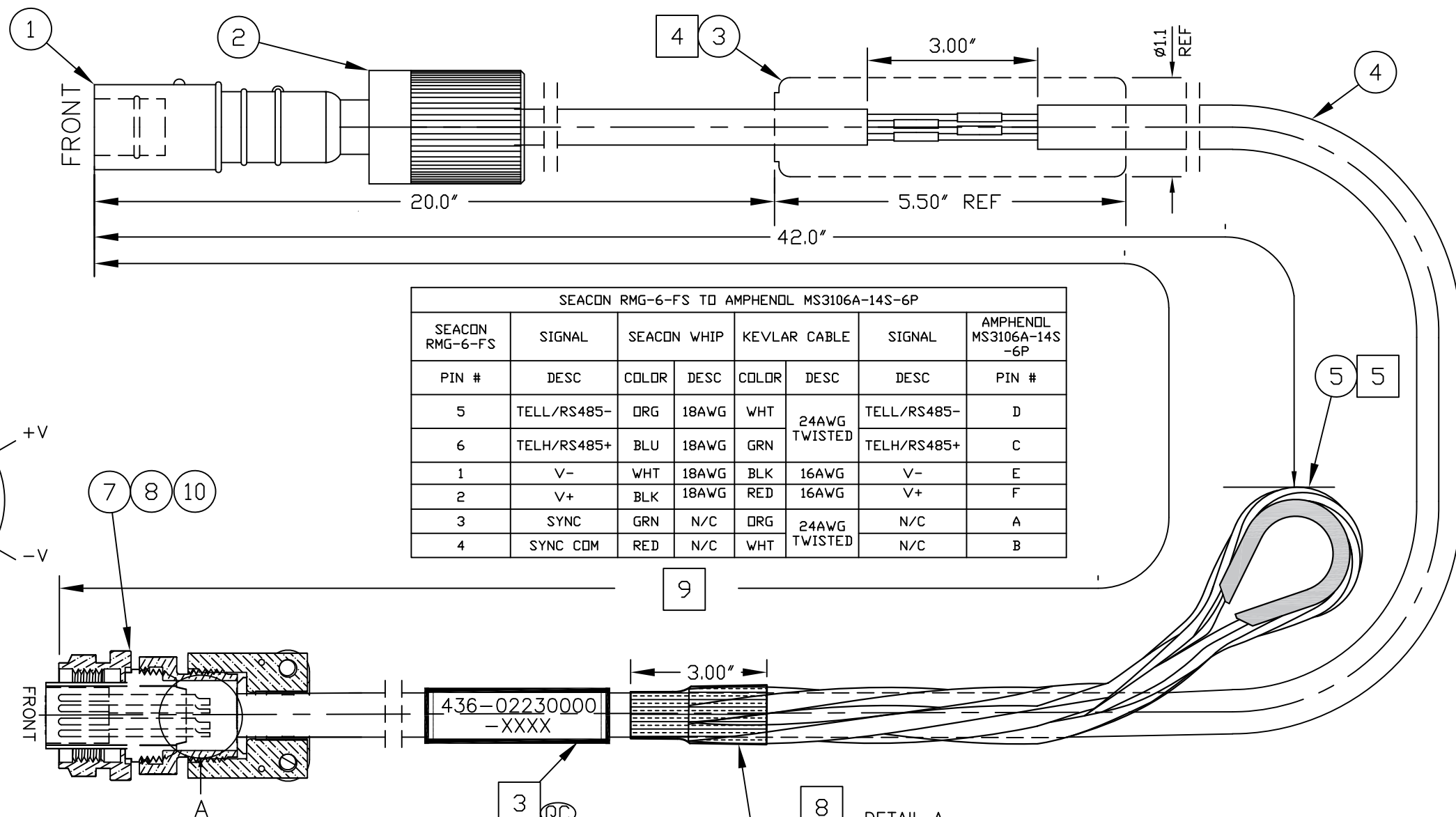
THIS COPY WILL BE UNCONTROLLED WHEN PRINTED



SEACON RMG-6-FS  
(FRONT VIEW)

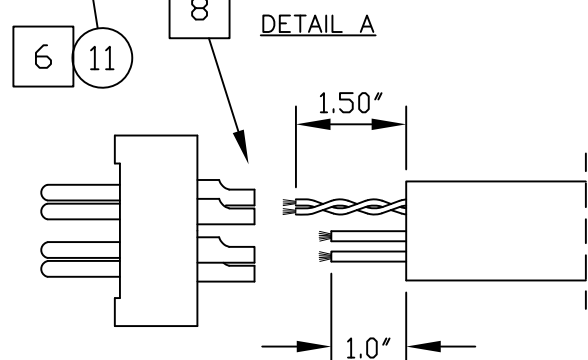


TELL AMPHENOL  
MS3106A-14S-6P  
(REAR VIEW)



| SEACON RMG-6-FS TO AMPHENOL MS3106A-14S-6P |             |             |       |              |               |             |                         |
|--|-------------|-------------|-------|--------------|---------------|-------------|-------------------------|
| SEACON RMG-6-FS                            | SIGNAL      | SEACON WHIP |       | KEVLAR CABLE |               | SIGNAL      | AMPHENOL MS3106A-14S-6P |
| PIN #                                      | DESC        | COLOR       | DESC  | COLOR        | DESC          | DESC        | PIN #                   |
| 5  | TELL/RS485- | DRG         | 18AWG | WHT          | 24AWG TWISTED | TELL/RS485- | D                       |
| 6  | TELL/RS485+ | BLU         | 18AWG | GRN          |               | TELL/RS485+ | C                       |
| 1  | V-          | WHT         | 18AWG | BLK          | 16AWG         | V-          | E                       |
| 2  | V+          | BLK         | 18AWG | RED          | 16AWG         | V+          | F                       |
| 3  | SYNC        | GRN         | N/C   | DRG          | 24AWG TWISTED | N/C         | A                       |
| 4  | SYNC COM    | RED         | N/C   | WHT          |               | N/C         | B                       |

- NOTES:**
- ALL PARTS AND PROCESSES USED ON THIS ASSEMBLY MUST COMPLY WITH THE RoHS DIRECTIVE
  - FOR TOLERANCES PLEASE REFER TO THE TABLE.
  - TIGHTEN THE SCREWS WITH TORQUE SCREW DRIVER SET AT 5Nm
  - BEFORE INSTALLING THE CONNECTOR:  
PRINT PART# USING 1/8" BLACK TEXT ON WHITE, THEN COVER WITH CLEAR HEATSHRINK.
  - BEFORE MOLDING: INSERT HEATSHRINK FIRST, THEN KELLEMS GRIP STRAIN RELIEF AND THEN SOLDER WIRES.  
MOLDING DETAILS:  
-ABRADE CABLE JACKET WITH 240 WET/DRY PAPER.  
-POSITION MOLD ALONG CABLE PER ABOVE AND POT WITH 3M SCOTCHCAST 2131 (ITEM3).
  - ORIENT KELLEMS GRIP ATTACHMENT HOOK (ITEM 5) TOWARDS PIGTAIL (ITEM 1).
  - WRAP 1.50" OF WHIPPING USING BLUE THROW/TYING LINE AND COVER WITH HEATSHRINK, REFER TO ASSEMBLY PROCEDURE LISTED IN THE BOM.
  - USE TWO SHELLS (ITEM 8) WHEN TERMINATING CABLE END. DISCARD SLEEVE, AND LOCKNUT AS NOTED ON BOM.
  - COVER EACH SOLDER JOINT WITH HEATSHRINK.
  - LENGTH IN FT= XXXX IN PART# 436-0PPP0000-XXXX.
- QC IMPORTANT TO CHECK.



| CABLE AND WIRE LENGTH TOLERANCE |             | APPROVALS | NAME | DATE        |
|---------------------------------|-------------|-----------|------|-------------|
| ≤1 FT                           | +1 IN -0 IN | DRAWN     | DL   | 2009-DEC-23 |
| >1 FT-5 FT                      | +2 IN -0 IN | REVISED   | DM   | 2023-NOV-21 |
| >5 FT-10 FT                     | +4 IN -0 IN | ENGR      |      |             |
| >10 FT-25 FT                    | +6 IN -0 IN | CHECKED   |      |             |
| >25 FT                          | +5% -0%     | PRD       |      |             |
|                                 |             | QA        |      |             |
|                                 |             | ISSUED    |      |             |

DO NOT SCALE DRAWING.  
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| ISS | DESCRIPTION | DATE        |
|-----|-------------|-------------|
| 1.8 | ECD-6647    | 2023-NOV-21 |
| 1.7 | ECD-6635    | 2023-OCT-10 |
| 1.6 | ECD-6620    | 2023-AUG-08 |
| 1.5 | ECD-6522    | 2023-JAN-31 |
| 1.4 | ECD-5534    | 2015-JUL-07 |
| 1.3 | ECD-5272    | 2014-MAR-18 |
| 1.2 | ECD-5116    | 2013-AUG-22 |
| 1.1 | ECD-5073    | 2013-FEB-22 |

REVISIONS

Kongsberg Discovery Canada Ltd.

CABLE ASSEMBLY  
1171 SONAR TO PROCESSOR

|        |            |          |                       |         |
|--------|------------|----------|-----------------------|---------|
| SIZE B | SCALE: NTS | W.D. NO. | DWG. NO. 436-02231000 | ISS 1.8 |
|        |            |          | SHEET 1 OF 1          |         |

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