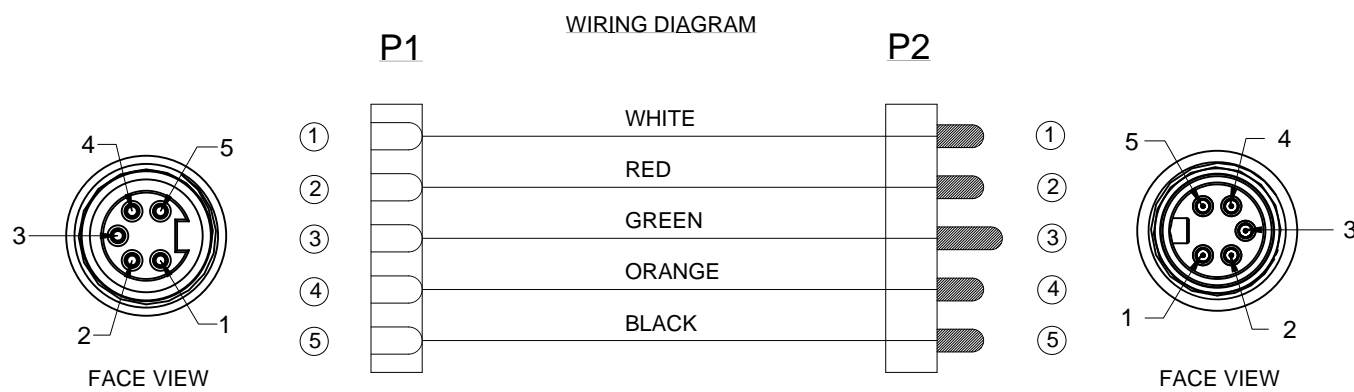
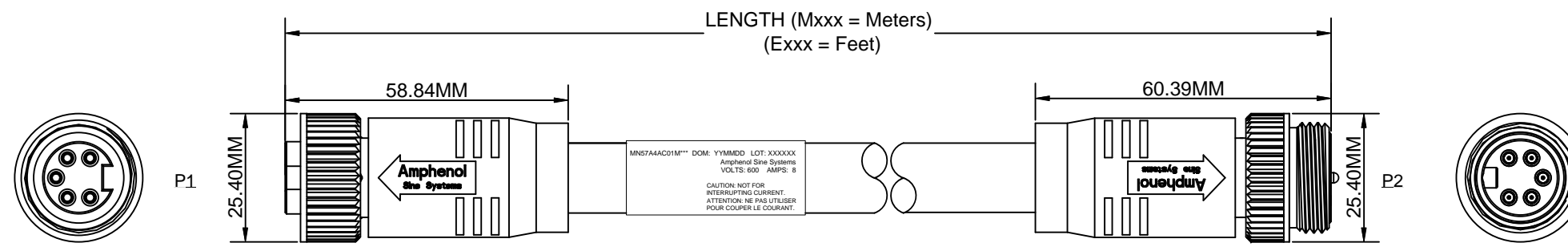


| REVISIONS |      |     |                              |           |      |     |      |
|-----------|------|-----|------------------------------|-----------|------|-----|------|
| REV       | ZONE | ECO | DESCRIPTION                  | DATE      | BY   | CHK | APPR |
| A1        | -    | -   | TECHNICAL DATA SHEET RELEASE | 08-OCT-15 | JLAG | -   | -    |



**TECHNICAL DATA:**

**1) MATERIALS:**

- COUPLING NUT: MACHINED ALUMINUM, ANODIZED
- INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
- CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
- OVERMOLD MATERIAL: THERMOPLASTIC COLOR: YELLOW
- CABLE RATING: UL LISTED TYPE STOOW, CSA CERTIFIED TYPE ST, FT2 FLAME RATING, 600V, 105°C
- CABLE JACKET MATERIAL: PVC COLOR: YELLOW
- CONDUCTOR INSULATION: PVC
- NUMBER OF CONDUCTORS: (5) 16AWG

**2) ELECTRICAL DATA:**

- CURRENT (MAX): 8A
- VOLTAGE (MAX): 600V AC/DC
- INSULATION RESISTANCE (MIN): 5000M OHMS
- DIELECTRIC TEST VOLTAGE: 2200V

**3) MECHANICAL DATA:**

- TEMPERATURE RANGE: -20°C TO +105°C
- PROTECTION: IP67 (MATED CONDITION)
- MATING CYCLES: >500
- VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204
- THERMAL SHOCK PER MIL-STD-202 METHOD 207
- 48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101

**4) RoHS COMPLIANT**

**5) UL 2238 LISTED ASSEMBLY  
UL FILE NUMBERS: E224856**

Risk of Electrical Shock  
Do Not Disconnect Under Load.  
Risque de chocs électriques  
Ne pas débrancher sous tension.

**WARNING**

| TOLERANCE                  |                             |
|----------------------------|-----------------------------|
| 0-2.99 M = +100.0/-25.0mm  | 0-9.99 FT = +4" / -1"       |
| 3-8.99 M = +150.0/-25.0mm  | 10.00-29.99 FT = +6" / -1"  |
| 9-14.99 M = +300.0/-25.0mm | 30.00-49.99 FT = +12" / -1" |
| 15-OVER M = +450.0/-25.0mm | 50 FT-OVER = +18" / -1"     |

| QUANTITY                              | PART NUMBER | DESCRIPTION  | ITEM |
|---------------------------------------|-------------|--|------|
| <b>MATERIALS LIST</b>                 |             |  |      |
| UNLESS OTHERWISE SPECIFIED:           |             | SIGNATURES      DATE   |      |
| 1) All dimensions are in metric (mm). |             | DRAWN: KMM      12-MAY-14  |      |
| 2) Tolerances are as follows:         |             | CHECKED: MRF      12-MAY-14  |      |
| 1 PL DEC ±0.30      Fractions ±1/64   |             | ENGINEER: KMM  |      |
| 2 PL DEC ±0.15      Angles ±1°        |             | APPROVAL: RFC      12-MAY-14   |      |
| 3 PL DEC ±0.08                        |             | CUSTOMER:  |      |
| 3) Note reference =                   |             | MATERIAL SPECIFICATIONS:   |      |
| PROCESS SPECIFICATIONS:               |             | THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. |      |
| NEXT ASSY:                            |             | SCALE: HALF  |      |

Sine Systems - www.sineco.com  
44724 Morley Drive  
Clinton Township, MI 48036

**MINIBOSS M22 (7/8"), 5 PIN, MALE INLINE, STRAIGHT TO FEMALE, STRAIGHT, 16 AWG, STOOW, PVC JACKET**

SIZE: C-      DWG NO: MN57A4AC01      REVISION: A1

C-MN57A4AC01      SHEET 1 OF 1

TITLE: MINI-SPLIT-STR-STR- METERS  
 DATE: 08/10/2015  
 DES: JLAG  
 DWG NO: MN57A4AC01  
 SHEET: 1 OF 1