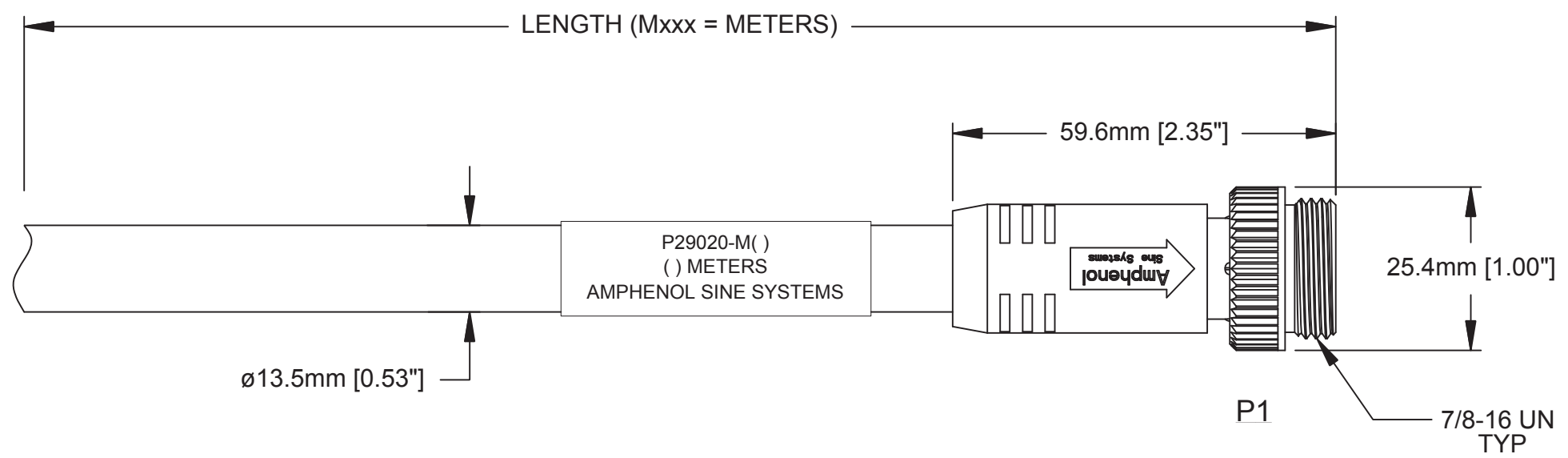


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



**TECHNICAL DATA:**

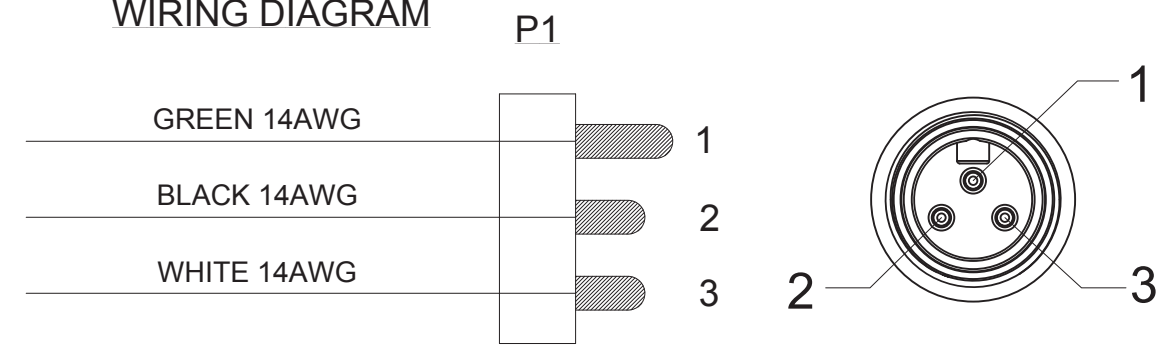
- 1) MATERIALS:
- COUPLING NUT: MACHINED ALUMINUM, ANODIZED
  - INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
  - CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
  - OVERMOLD MATERIAL: THERMOPLASTIC COLOR: BLACK
  - CABLE RATING: UL LISTED DUAL RATED TC-ER/STOOW, CSA TYPE STOOW, FT4 FLAME RATING, 600V, 90°C DRY & 75°C WET (TC-ER), 105°C (STOOW)
  - CABLE JACKET MATERIAL: PVC COLOR: BLACK
  - CONDUCTOR INSULATION: PVC
  - NUMBER OF CONDUCTORS: (3) 14AWG

- 2) ELECTRICAL DATA:
- CURRENT (MAX): 15A
  - VOLTAGE (MAX): 600V AC/DC
  - INSULATION RESISTANCE (MIN): 5000M OHMS
  - DIELECTRIC TEST VOLTAGE: 2200V

- 3) MECHANICAL DATA:
- TEMPERATURE RANGE: -40°C TO 90°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 2237 LISTED ASSEMBLY  
UL FILE NUMBERS: E339703

**WIRING DIAGRAM**



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"

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

**WARNING**

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 = X		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.	
MATERIAL SPECIFICATIONS:		<p style="text-align: center;"><b>Amphenol</b></p> <p style="text-align: center;">Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</p>	
PROCESS SPECIFICATIONS:		<p style="text-align: center;"><b>M22 POWERBOSS LITE, 3 PIN, MALE-STR, 14 AWG, TC-ER/STOOW, PVC JACKET</b></p>	
NEXT ASSY:		SIZE: C-	DWG NO: P29020-Mxxx
		SCALE: FULL	REVISION: A1
		C-P29020	SHEET 1 OF 1

TITLE: P29020-Mxxx  
 REV: A1  
 SH: 1  
 OF: 1