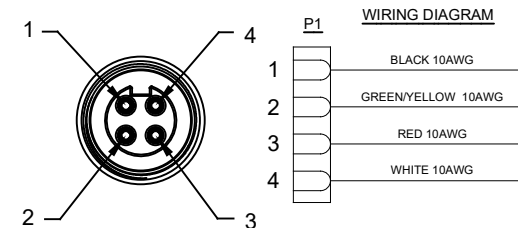
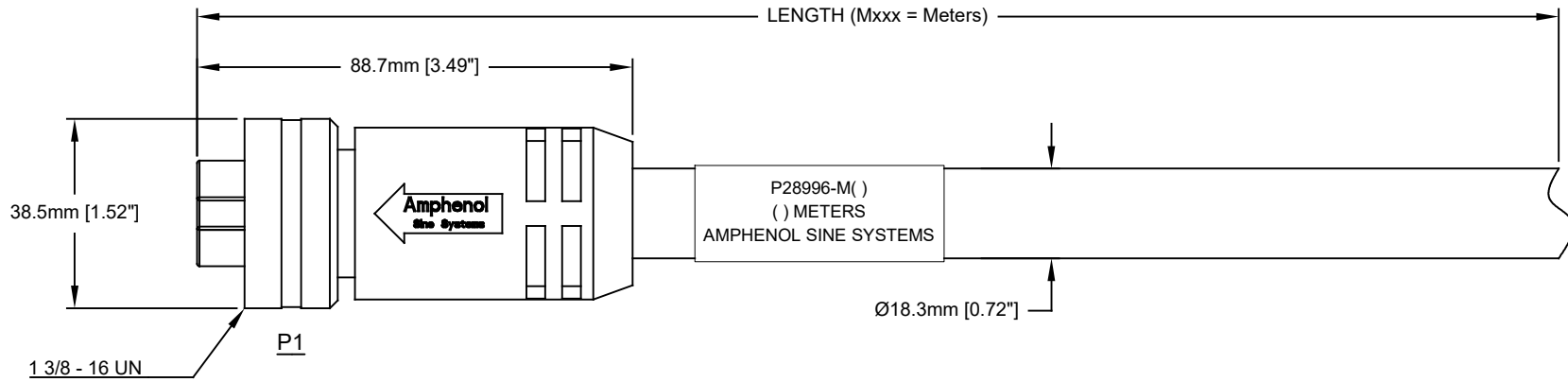


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



**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: (4) 10AWG
- 2) ELECTRICAL DATA:**  
 CURRENT (MAX): 25A  
 VOLTAGE (MAX): 600V AC/DC  
 INSULATION RESISTANCE (MIN): 5000M OHMS  
 DIELECTRIC TEST VOLTAGE: 2200V  
 SHORT CIRCUIT AMPERAGE RATING: 65kA - BREAKERS AND FUSES
- 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

Amphenol P/N	ROCKWELL P/N	MOLEX	TURCK
P28996-M*	280-PWRM35E-M*	C04000A48M*	GKDA40-*M
P28996-M1	280-PWRM35E-M010	C04000A48M010	GKDA40-010M
P28996-M2	280-PWRM35E-M020	C04000A48M020	GKDA40-020M
P28996-M3	280-PWRM35E-M030	C04000A48M030	GKDA40-030M
P28996-M5	280-PWRM35E-M050	C04000A48M050	GKDA40-050M
P28996-M10	280-PWRM35E-M100	C04000A48M100	GKDA40-100M

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>			
<small>UNLESS OTHERWISE SPECIFIED</small> 1) All dimensions are in metric (mm). 2) Tolerances are as follows: 1 PL DEC ±0.30   Fractions ±1/64 2 PL DEC ±0.15   Angles ±1° 3 PL DEC ±0.08		<b>Amphenol</b> Sine Systems - www.sine-amphenol.com 44724 Morley Drive Clinton Township, MI 48036	
<small>MATERIAL SPECIFICATIONS:</small> SIGNATURES: KMM DATE: 12-MAY-14 CHECKED: MRF DATE: 12-MAY-14 ENGINEER: KMM APPROVAL: RFC DATE: 12-MAY-14 CUSTOMER:		<b>M35 POWERBOSS LITE, 4 PIN, FEMALE-STR, 10 AWG, TC-ER/STOOW, PVC JACKET</b>	
<small>PROCESS SPECIFICATIONS:</small> 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.		SIZE: <b>C-</b> SCALE: FULL	DWG NO: <b>P28996-Mxxx</b> SHEET 1 OF 1
<small>NEXT ASSY:</small>		REVISION: <b>A1</b>	

TRM35 PB LITE, 4 PIN, F-STR, 10AWG, TC-ER/STOOW, PVC JKT, P/N dwg no: C-P28996-Mxxx  
 rev: A1  
 sh: 1  
 of: 1