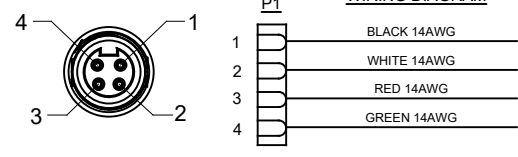
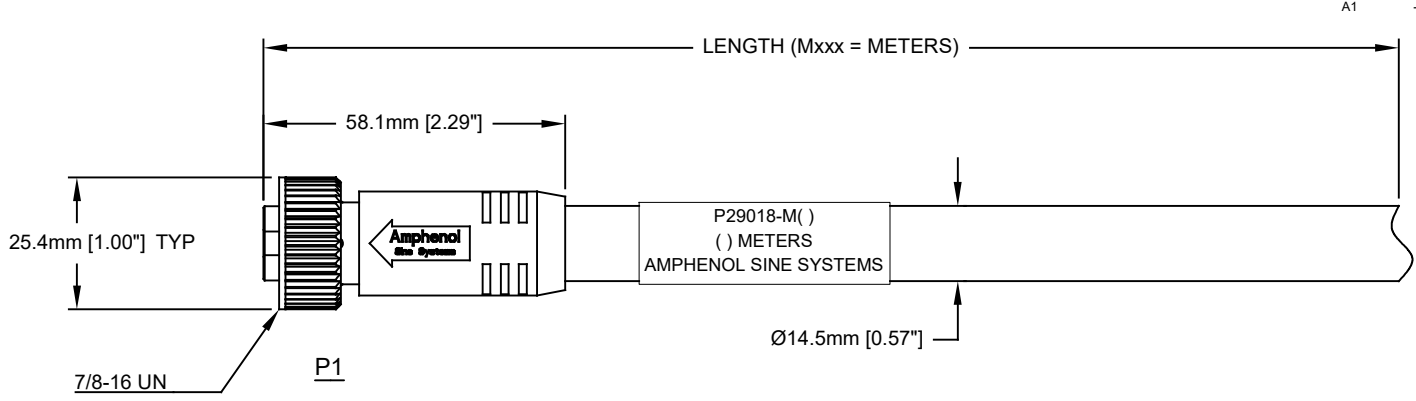


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
		TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



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) 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

Amphenol P/N	ROCKWELL P/N	MOLEX	TURCK
P29018-M*	280-PWRM24E-M*	104000A46M*	RKM44-*M
P29018-M1	280-PWRM24E-M010	104000A46M010	RKM44-010M
P29018-M2	280-PWRM24E-M020	104000A46M020	RKM44-020M
P29018-M3	280-PWRM24E-M030	104000A46M030	RKM44-030M
P29018-M5	280-PWRM24E-M050	104000A46M050	RKM44-050M
P29018-M10	280-PWRM24E-M100	104000A46M100	RKM44-100M

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
MATERIALS LIST			
<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		SIGNATURES: KMM DATE: 12-MAY-14 CHECKED: MRF DATE: 12-MAY-14 ENGINEER: KMM APPROVAL: RFC DATE: 12-MAY-14	
MATERIAL SPECIFICATIONS: PROCESS SPECIFICATIONS:		Amphenol Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 M22 POWERBOSS LITE, 4 PIN, FEMALE-STR, 14 AWG, TC-ER/STOOW, PVC JACKET	
NEXT ASSY:		SIZE: C- SCALE: FULL	DWG NO: P29018-Mxxx REVISION: A1
		SHEET 1 OF 1	

TRM22 PB LITE, 4 PIN, F-STR, 14AWG, TC-ER/STOOW, PVC JACKET NO: C-P29018-Mxxx REV: A1 SH: 1 OF: 1