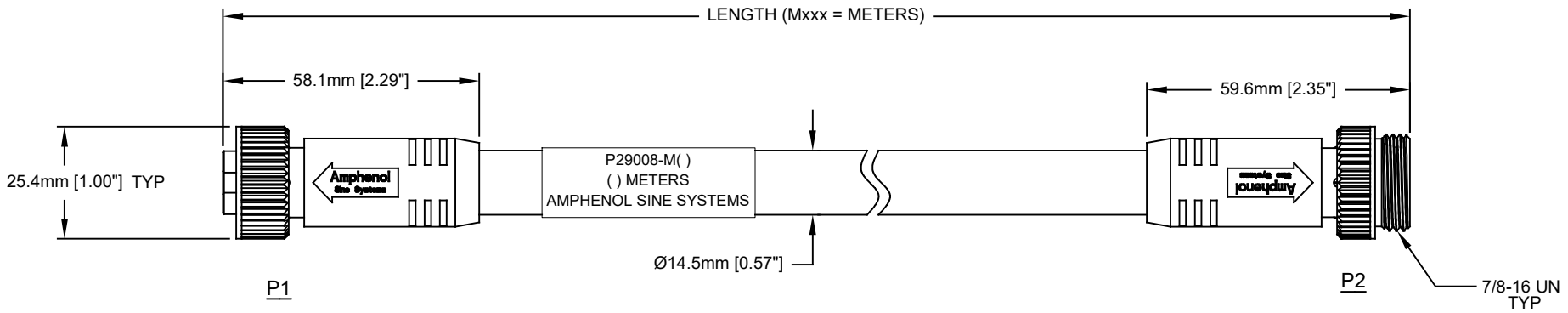
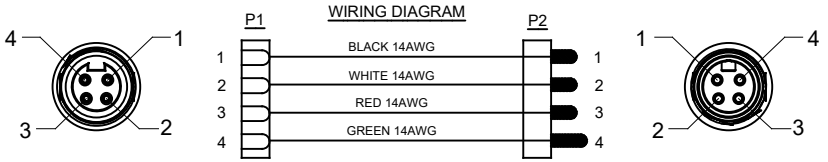
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC





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) 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
P29008-M*	280-PWRM24A-M*	114030A46M*	RSMRKM44-*M
P29008-M1	280-PWRM24A-M010	114030A46M010	RSMRKM44-010M
P29008-M2	280-PWRM24A-M020	114030A46M020	RSMRKM44-020M
P29008-M3	280-PWRM24A-M030	114030A46M030	RSMRKM44-030M
P29008-M5	280-PWRM24A-M050	114030A46M050	RSMRKM44-050M
P29008-M10	280-PWRM24A-M100	114030A46M100	RSMRKM44-100M

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		

UNLESS OTHERWISE SPECIFIED
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
3) Note reference = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	KMM	12-MAY-14
CHECKED:	MRF	12-MAY-14
ENGINEER:	KMM	
APPROVAL:	RFC	12-MAY-14
CUSTOMER:		

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Amphenol
Sine Systems - www.amphenol-sine.com
44724 Morley Drive
Clinton Township, MI 48036

M22 POWERBOSS LITE, 4 PIN, M/F,
14 AWG, TC-ER/STOOW, PVC JACKET

SIZE	TYPE	DWG NO:	REVISION
	C-	P29008-Mxxx	A1

SCALE: FULL | C-P29008 | SHEET 1 OF 1

TITLE: M22 PB LITE, 4 PIN, M/F, 14AWG, TC-ER/STOOW, PVC
DWG NO: C-P29008-Mxxx
REV: A1
SH: 1
OF: 1

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