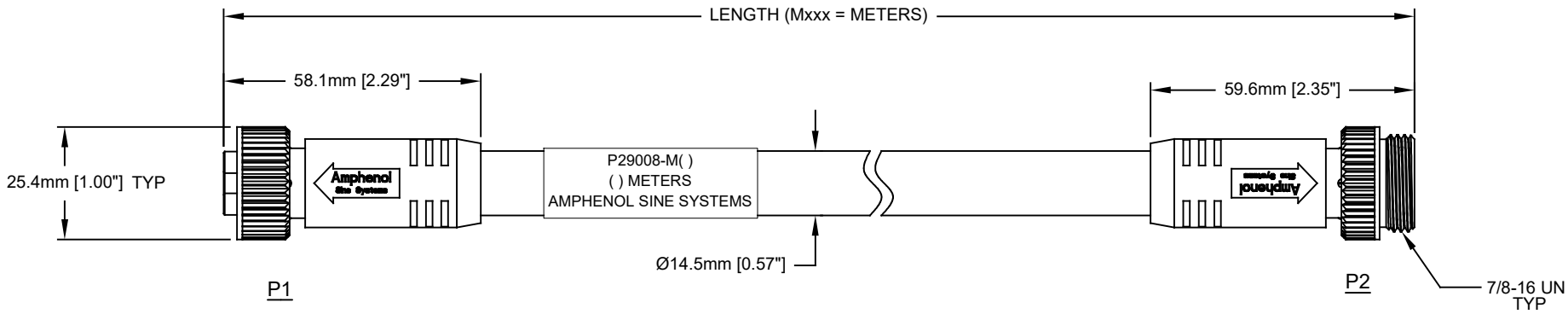
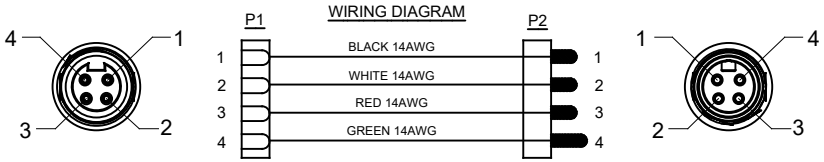
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC





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"

	PART NUMBER	DESCRIPTION	ITEM
QUANTITY	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:		

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.

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:
P29008-M5