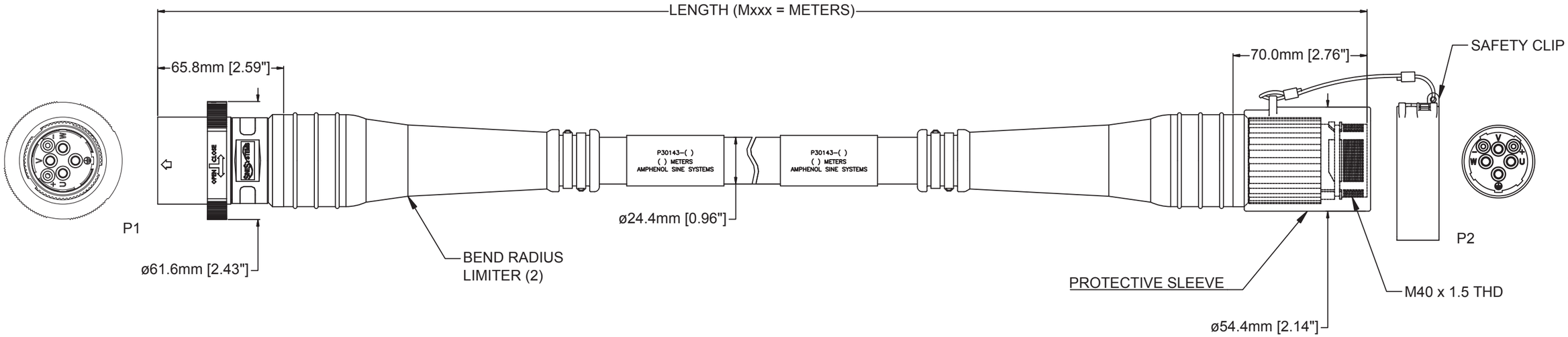
REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	05-JUN-14	KMM	RFC



TECHNICAL DATA:

1) MATERIALS:
- COUPLING NUT: MACHINED ALUMINUM, ANODIZED
- INSULATION INSERT: THERMOPLASTIC, UL 94/V-0
- CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY
- BEND RADIUS LIMITER 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) 14AWG

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







DO NOT SCALE
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 electriques
Ne pas debrancher sous tension.
⚠WARNING

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 = A

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

SIGNATURES		DATE
DRAWN:	KMM	05-JUNE-14
CHECKED:	MRF	05-JUNE-14
ENGINEER:	KMM	
APPROVAL:	RFC	05-JUNE-14
CUSTOMER:		

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

POWERBOSS M40, 10AWG, M/F-STR, PVC, TC-ER/STOOW, WITH CHECKMATE, BLACK

SIZE	TYPE	DWG NO:	REVISION
C	C-	P30143-Mxxx	A1

SCALE: FULL | C-P30143-Mxxx | SHEET 1 OF 1

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DWG NO: P30143-Mxxx | REV: A1 | SH: 1 | OF: 1