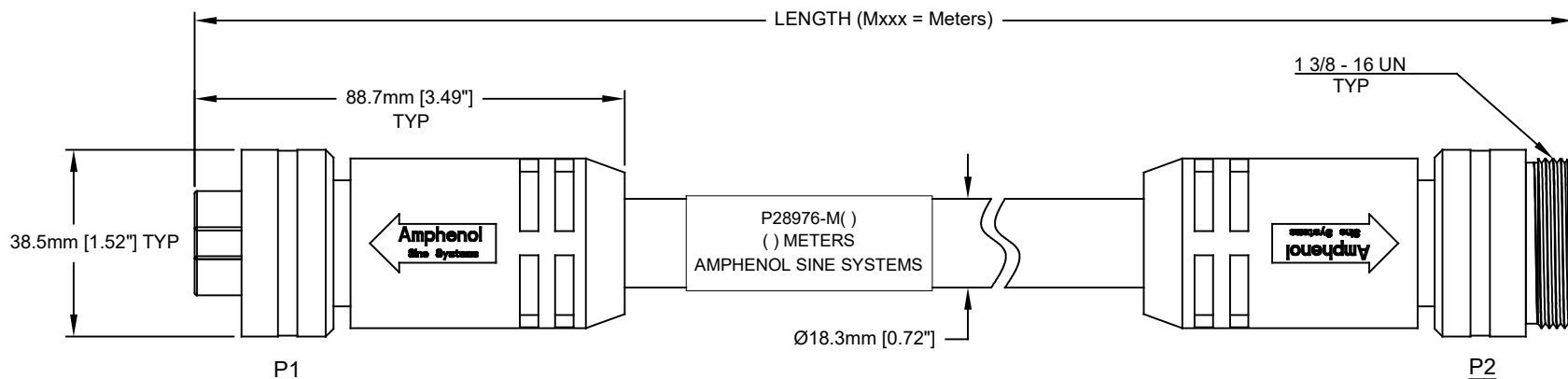


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



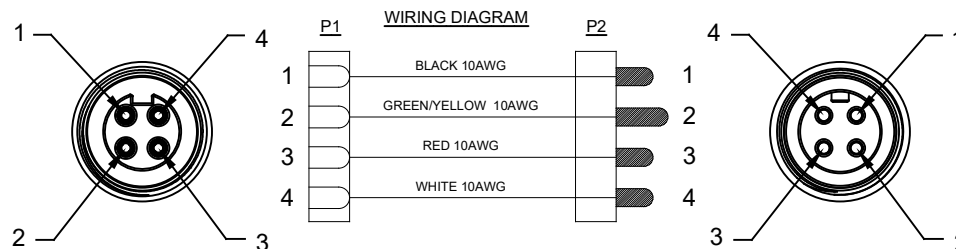
TECHNICAL DATA:

- 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
P28976-M*	280-PWRM35A-M*	CC4030A48M*	GSDAGKDA40-*M
P28976-M1	280-PWRM35A-M010	CC4030A48M010	GSDAGKDA40-010M
P28976-M2	280-PWRM35A-M020	CC4030A48M020	GSDAGKDA40-020M
P28976-M3	280-PWRM35A-M030	CC4030A48M030	GSDAGKDA40-030M
P28976-M5	280-PWRM35A-M050	CC4030A48M050	GSDAGKDA40-050M
P28976-M10	280-PWRM35A-M100	CC4030A48M100	GSDAGKDA40-100M

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) Note reference =		SIGNATURES DATE DRAWN: KMM 12-MAY-14 CHECKED: MRF 12-MAY-14 ENGINEER: KMM APPROVAL: RFC 12-MAY-14 CUSTOMER:		
MATERIAL SPECIFICATIONS:		 Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036 M35 POWERBOSS LITE, 4 PIN, M/F, 10 AWG, TC-ER/STOOW, PVC JACKET		
PROCESS SPECIFICATIONS:		SIZE	TYPE	DWG NO.
NEXT ASSY:		C-	P28976-Mxxx	A1
		SCALE	FULL	C-P28976 SHEET 1 OF 1

TM-435 PB LITE, 4 PIN, M/F, 10AWG, TC-ER/STOOW, PVC DWG NO: C-P28976-Mxxx

REV: A1
 SH: 1
 OF: 1