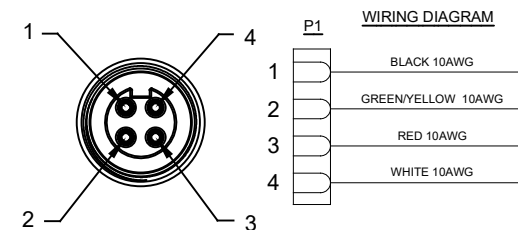
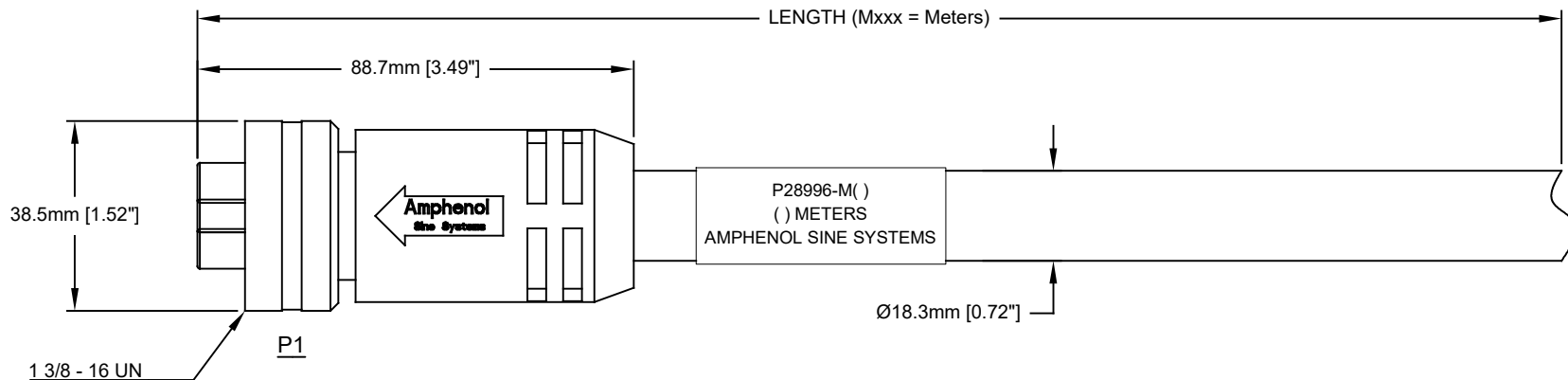


REVISIONS					
REV	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	TECHNICAL DATA SHEET RELEASE	12-MAY-14	KMM	RFC



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
P28996-M*	280-PWRM35E-M*	C04000A48M*	GKDA40-*M
P28996-M1	280-PWRM35E-M010	C04000A48M010	GKDA40-010M
P28996-M2	280-PWRM35E-M020	C04000A48M020	GKDA40-020M
P28996-M3	280-PWRM35E-M030	C04000A48M030	GKDA40-030M
P28996-M5	280-PWRM35E-M050	C04000A48M050	GKDA40-050M
P28996-M10	280-PWRM35E-M100	C04000A48M100	GKDA40-100M

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	Amphenol Sine Systems - www.sine-amphenol.com 44724 Morley Drive Clinton Township, MI 48036 M35 POWERBOSS LITE, 4 PIN, FEMALE-STR, 10 AWG, TC-ER/STOOW, PVC JACKET
DRAWN: KMM		CHECKED: MRF	12-MAY-14	
ENGINEER: KMM		APPROVAL: RFC	12-MAY-14	
MATERIAL SPECIFICATIONS:		CUSTOMER:		
PROCESS SPECIFICATIONS:		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.		SIZE C- TYPE FULL
NEXT ASSY:		DWG NO: P28996-Mxxx		
		SHEET 1 OF 1		REVISION A1

TM35 PB LITE, 4 PIN, F-STR, 10AWG, TC-ER/STOOW, PVC JKT, dwe no: C-P28996-Mxxx
REV: A1
Sht: 1
OF: 1

Mouser Electronics

Authorized Distributor

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[Amphenol:](#)

[P28996-M0.5](#) [P28996-M1](#) [P28996-M1.5](#) [P28996-M2](#) [P28996-M2.5](#) [P28996-M3](#) [P28996-M4](#) [P28996-M5](#) [P28996-M6](#) [P28996-M8](#) [P28996-M10](#) [P28996-M12](#) [P28996-M14](#)