LENGTH TABLE

PART NUMBER	LENGTH (METERS)
ATHD04-1-8P-8G-M1	1 (3.28FT)
ATHD04-1-8P-8G-M2	2 (6.56FT)
ATHD04-1-8P-8G-M4	4 (13.12FT)
ATHD04-1-8P-8G-M5	5 (16.40FT)
ATHD04-1-8P-8G-M10	10 (32.80FT)

PLEASE CONTACT CSR FOR ADDITONAL AVAILABLE OPTIONS

FACE VIEW

0.26in

LENGTH (Mx)

2.67in

ATHD04-1-8P-8G-M( )
( ) METERS
WWW.AMPHENOL-SINE.COM

0.93in

1" [REF]

WIRING DIAGRAM

1 — BLACK 8AWG

BEFORE OVERMOLD

AFTER OVERMOLD
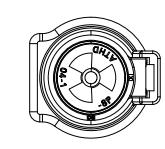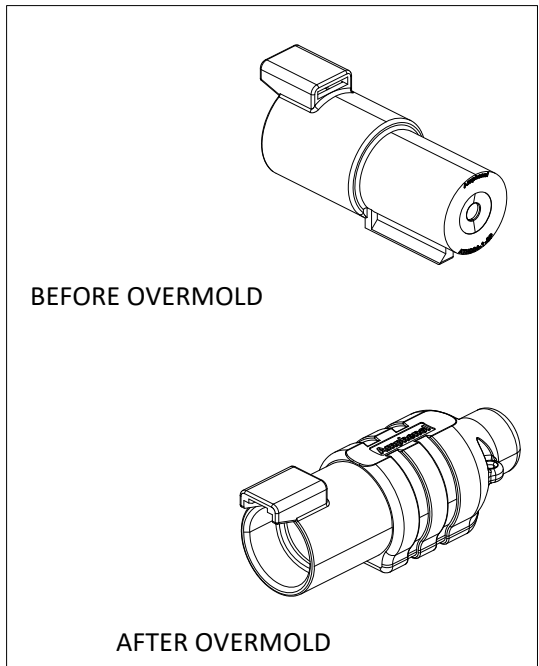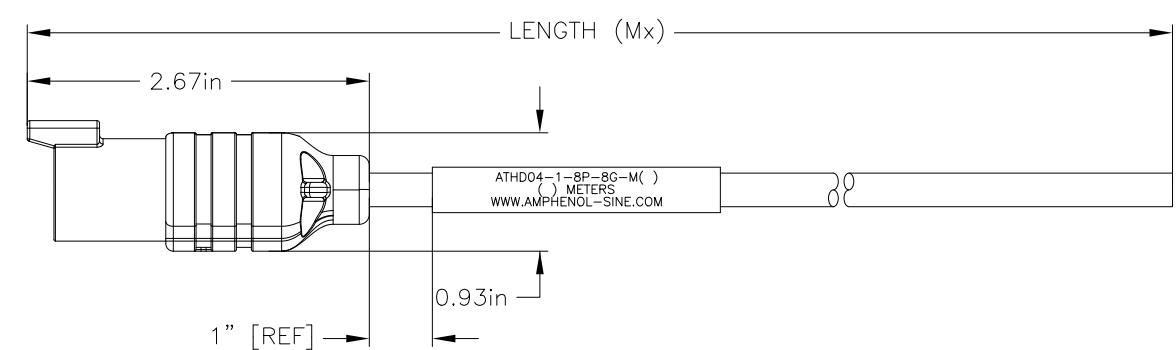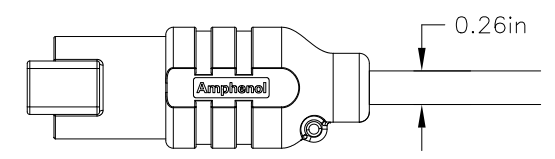
NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: PA66
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: OVERMOLDED (PA)

3. CONNECTOR SPECIFICATIONS:
   3.1 CURRENT RATING: 75AMPS
   3.2 CABLE ASSEMBLY OPERATING TEMPERATURE: -40 TO +100C
   3.3 CONTACT: COPPER ALLOY, NICKEL PLATED
   3.4 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2
   MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
   3.5 INSULATION RESISTANCE: 1000 MEGAOHMS MIN @ 25C
   3.6 MOISTURE RESISTANCE: IP68 MATED CONDITION (1M OF WATER
   FOR 24 HOURS).
   3.7 MATING CYCLE DURABILITY: 100 CYCLES
   3.8 RoHS COMPLIANT

4. CABLE SPECIFICATIONS:
   COMPONENTS: ONE 8AWG, PVC INSULATED CONDUCTOR
   133/29 BARE COPPER,UL1028
   JACKET: PVC, BLACK
   600V AC/DC

5. APPROVALS:
   UL TYPE AWM, STYLE 1028.
   CSA TYPE TEW.
   OIL RESISTANT I
   SUN RESISTANT I
   FT1 FLAME RATING
   ROHS COMPLIANT.

6. MATING PART: ___* ATHD06-1-8S PLUG.
   MATING CABLE ASSEMBLY: ATHD06-1-8S-8G-Mx

7. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

MATERIALS LIST

QUANTITY	PART NUMBER	DESCRIPTION	ITEM

Amphenol

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

UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
1) All dimensions are in metric(mm). 2) Tolerances are as follows:	DRAWN:	RO	2/25/2022
1 PL DEC ±0.30 Fractions ±1/64	CHECKED:	WS	3/22/2022
2 PL DEC ±0.15 Angles ±1°			
3 PL DEC ±0.08	ENGINEER:	RO	
3) Note reference = /X\	APPROVAL:	WS	3/25/2022

MATERIAL SPECIFICATIONS:

CUSTOMER:

PROCESS SPECIFICATIONS:

NEXT ASS'Y:

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1 POS RECEPTACLE SZ 8 MOLDED, PIN SIZE 8, 8AWG, SINGLE-ENDED WIRED ASSY, AMPHENOL ATHD CONNECTOR ATHD04-1-8P, X METERS

SIZE	TYPE	DWG NO:	REVISION
C	C-	ATHD04-1-8P-8G-Mx	A1

SCALE: NONE   ATHD04-1-8P-8G-Mx   SHEET 1 OF 1