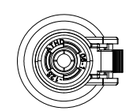
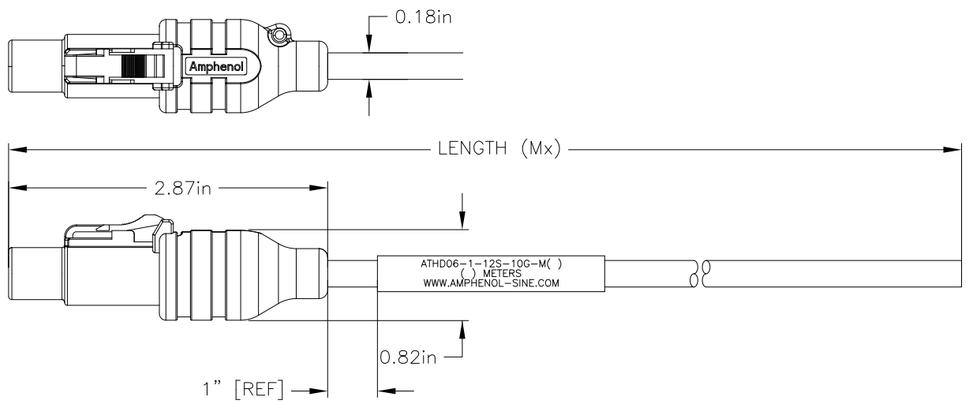
LENGTH TABLE	
PART NUMBER	LENGTH (METERS)
ATHD06-1-12S-10G-M1	1 (3.28FT)
ATHD06-1-12S-10G-M2	2 (6.56FT)
ATHD06-1-12S-10G-M4	4 (13.12FT)
ATHD06-1-12S-10G-M5	5 (16.40FT)
ATHD06-1-12S-10G-M10	10 (32.80FT)

PLEASE CONTACT CSR FOR ADDITONAL AVAILABLE OPTIONS

REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	–	RELEASED	3/31/2022	RO	WS



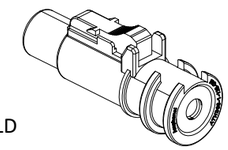
FACE VIEW



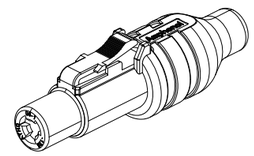
WIRING DIAGRAM



SP Structure+™ Family



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: 40AMPS
   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. WIRE SPECIFICATIONS:
   COMPONENTS: 10AWG, PVC INSULATED CONDUCTOR
   105/30 STRANDS BARE COPPER.
   INSULATION: PVC, BLACK
   600V AC/DC

5. APPROVALS:
   UL TYPE AWM, STYLE 1015.
   CSA TYPE TEW.
   OIL RESISTANT I
   SUN RESISTANT I
   FT1 FLAME RATING
   ROHS COMPLIANT.

6. MATING PART: ATHD04-1-12P RECEPTACLE.
   MATING CABLE ASSEMBLY: ATHD04-1-12P-10G-Mx

7. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

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 = X

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

SIGNATURES		DATE
DRAWN:	RO	2/25/2022
CHECKED:	WS	3/22/2022
ENGINEER:	RO	
APPROVAL:	WS	3/25/2022
CUSTOMER:		

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Amphenol

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

1 POS PLUG SZ 12 MOLDED, SOCKET SIZE 12, 10AWG, SINGLE-ENDED WIRED ASSY, AMPHENOL ATHD CONNECTOR ATHD06-1-12S, X METERS

SIZE	TYPE	DWG NO:	REVISION
C	C-	ATHD06-1-12S-10G-Mx	A1

SCALE: NONE | ATHD06-1-12S-10G-Mx | SHEET 1 OF 1

TITLE:
DWG NO:
REV:
SH:
OF: