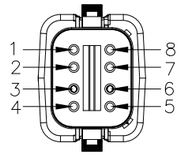
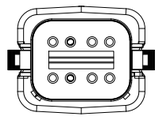
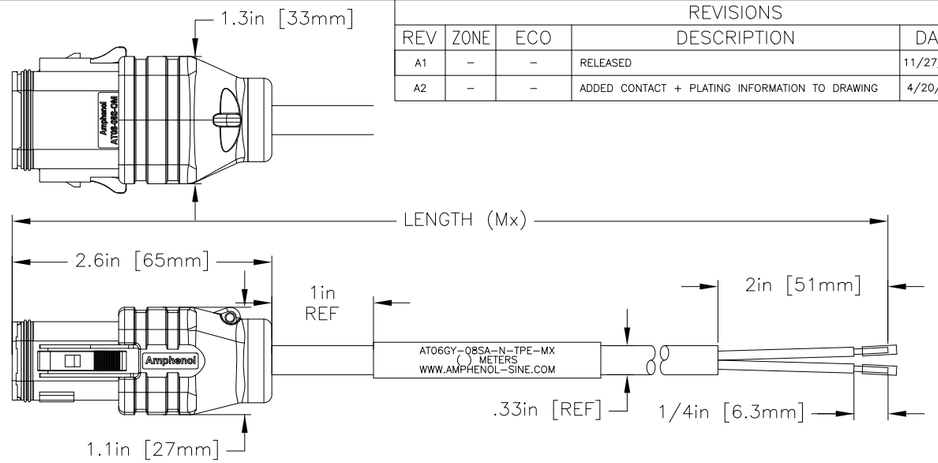
LENGTH TABLE	
PART NUMBER	LENGTH (METERS)
AT06GY-08SA-N-TPE-M1	1 (3.28FT)
AT06GY-08SA-N-TPE-M2	2 (6.56FT)
AT06GY-08SA-N-TPE-M4	4 (13.12FT)
AT06GY-08SA-N-TPE-M5	5 (16.40FT)
AT06GY-08SA-N-TPE-M10	10 (32.80FT)



FACE VIEW





REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A1	–	–	RELEASED	11/27/2020	RO	WS
A2	–	–	ADDED CONTACT + PLATING INFORMATION TO DRAWING	4/20/2022	RO	RO

AT06GY-08SA-N-TPE-M2

CONNECTOR TYPE
AT - Amphenol AT Connector
PLEASE CONTACT CSR FOR ADDITONAL AVAILABLE OPTIONS

DESIGN
04 Male Connector
06 Female Connector

POSITIONS
2 2 Pin
3 3 Pin
4 4 Pin
6 6 Pin
8 8 Pin
12 12 Pin

DESIGN
S Female Connector
P Male Connector

COLORS
GY - GRAY
BK - BLACK
BN - BROWN
YL - YELLOW
RD - RED
GN - GREEN
WT - WHITE
BL - BLUE
ORG - ORANGE

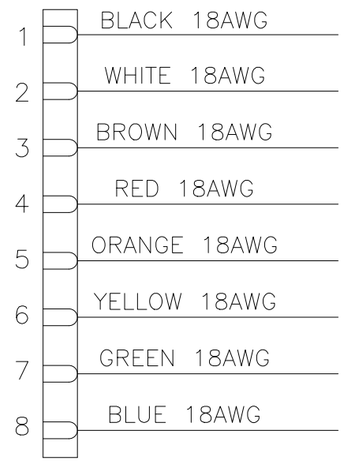
NOTE: 8 & 12 WAY ARE ONLY AVAILABLE IN STANDARD KEY/COLOR CONFIGURATIONS.
KEY A - GRAY
KEY B - BLACK
KEY C - GREEN
KEY D - BROWN

CABLE LENGTH (M = METERS)
1 = 1M
2 = 2M
4 = 4M
5 = 5M
10 = 10M
CUSTOM CABLE LENGTH OPTIONS AVAILABLE. CONTACT CSR.

CABLE TYPE
TPE - TPE, BLACK

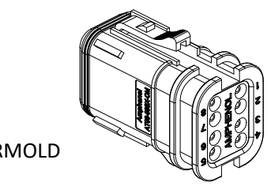
LED/SUPPRESSOR CIRCUIT
N - NONE
S - LED/SUPPRESSOR DIODE(2POSITION)

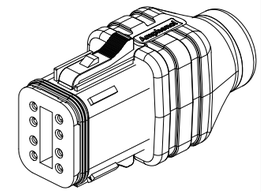
WIRING DIAGRAM



SP Structure+™ Family

BEFORE OVERMOLD





AFTER OVERMOLD

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
   HOUSING: PA66
   SEAL: SILICONE RUBBER

2. MODIFICATIONS: OVERMOLDED

3. SPECIFICATIONS:
   3.1 CURRENT RATING: 10AMPS - 300V AC/DC
   3.2 OVERMOLDED ASY OPERATING TEMPERATURE: -40C TO +100C
   3.3 CONTACTS: 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: EIGHT 18AWG, SRPVC INSULATED CONDUCTORS
   41/34 BARE COPPER.
   CONDUCTOR INSULATION: SRPVC (SEE COLOR CODE)
   CABLING: 8 CONDUCTORS CABLED TOGETHER WITH FRPP FILLERS.
   BINDER: FLEECE TAPE
   JACKET: TPE, BLACK
   PRINT: AMPHENOL SINE SYSTEMS KA-56764-8 8C 18AWG (UL FILE NUMBER) RU AWM 21270 105C 600V --- (CSA FILE NUMBER) CSA AWM I/II A/B -40C TO +105C 600V FT4
   APPROVALS: AWM 21270, CSA AWM I/II A/B FT4, SUNLIGHT RESISTANT, OIL RESISTANT, MATERIALS ARE RoHS 3 COMPLIANT.

5. MATING PART: AT04-08P* RECEPTACLE
   (* = MODIFICATIONS AND COLORS)

6. 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	11/5/2020
CHECKED:	WS	1/152021
ENGINEER:	RO	
APPROVAL:	WS	1/15/2021
CUSTOMER:		

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Amphenol

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

8 POSITION PLUG MOLDED, BLACK TPE, SIZE 16 SOCKET, SINGLE-ENDED CABLE ASSEMBLY, AMPHENOL AT CONNECTOR AT06-08SA

SIZE	TYPE	DWG NO:	REVISION
C	C-	AT06GY-08SA-N-TPE-Mx	A2

SCALE: NONE | AT06GY-08SA-N-TPE-Mx | SHEET 1 OF 1

TITLE:
DWG NO:
REV:
SH:
OF: