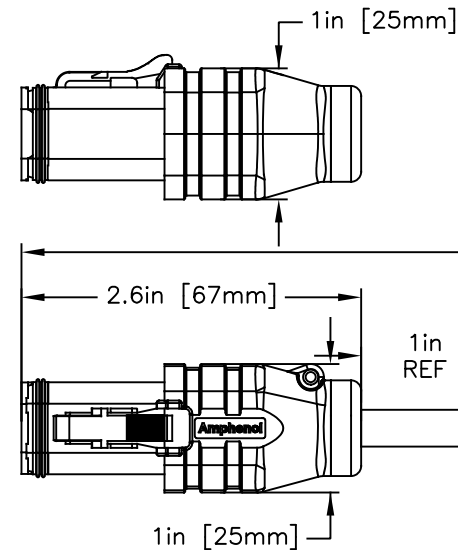
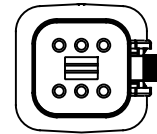
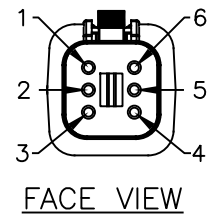
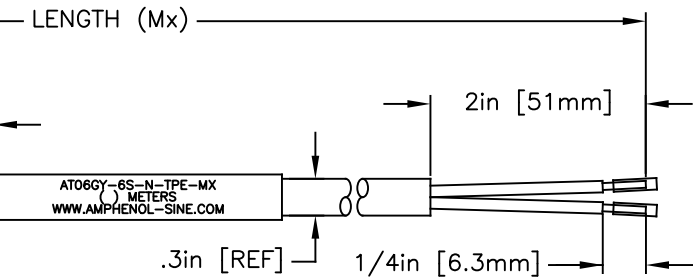


LENGTH TABLE	
PART NUMBER	LENGTH (METERS)
AT06GY-6S-N-TPE-M1	1 (3.28FT)
AT06GY-6S-N-TPE-M2	2 (6.56FT)
AT06GY-6S-N-TPE-M4	4 (13.12FT)
AT06GY-6S-N-TPE-M5	5 (16.40FT)
AT06GY-6S-N-TPE-M10	10 (32.80FT)



REVISIONS						
REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	-	RELEASED	11/27/2020	RO	WS



**CONNECTOR TYPE**  
AT - Amphenol AT Connector  
\*PLEASE CONTACT CSR FOR ADDITIONAL AVAILABLE OPTIONS\*

AT06GY-6S-N-TPE-M2

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)

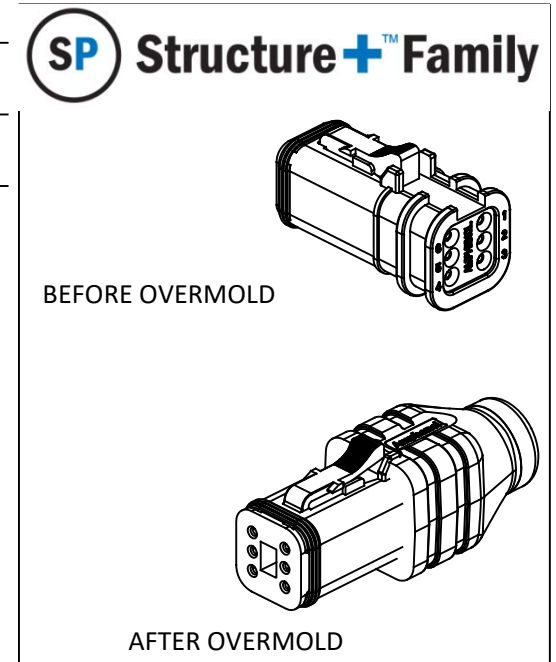
1 = 1M  
2 = 2M  
4 = 4M  
5 = 5M  
10 = 10M  
CUSTOM CABLE LENGTH OPTIONS AVAILABLE. CONTACT CSR.

CABLE TYPE  
TPE - TPE, BLACK

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

### WIRING DIAGRAM


1	BLACK 18AWG
2	WHITE 18AWG
3	BROWN 18AWG
4	RED 18AWG
5	ORANGE 18AWG
6	YELLOW 18AWG



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 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.
  - 3.4 INSULATION RESISTANCE: 1000 MEGAOHMS MIN @ 25C
  - 3.5 MOISTURE RESISTANCE: IP68 MATED CONDITION (1M OF WATER FOR 24 HOURS).
  - 3.6 MATING CYCLE DURABILITY: 100 CYCLES
  - 3.7 RoHS COMPLIANT

4. CABLE SPECIFICATIONS:  
COMPONENTS: SIX 18AWG, SRPVC INSULATED CONDUCTORS  
41/34 BARE COPPER.  
CONDUCTOR INSULATION: SRPVC (SEE COLOR CODE)  
CABLING: 6 CONDUCTORS CABLED TOGETHER WITH FRPP FILLERS  
BINDER: FLEECE TAPE  
JACKET: TPE, BLACK  
PRINT: AMPHENOL SINE SYSTEMS KA-56764-6 6C 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: AT04-6P\* 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 2 PL DEC ±0.15 3 PL DEC ±0.08 3) Note reference = 		SIGNATURES		DATE	<div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a> 44724 Morley Drive Clinton Township, MI 48036</div>
MATERIAL SPECIFICATIONS:		DRAWN:	RO	11/5/2020	
		CHECKED:	WS	1/15/2021	
		ENGINEER:	RO		
		APPROVAL:	WS	1/15/2021	
PROCESS SPECIFICATIONS:		CUSTOMER:		6 POS PLUG MOLDED, BLK TPE, SNGL-ENDED CBL ASSY, AMPHENOL AT CONNECTOR AT06-6S	
NEXT ASSY:		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	TYPE	DWG NO:	REVISION
		C	C-	AT06GY-6S-N-TPE-Mx	A1
		SCALE:	NONE	AT06GY-6S-N-TPE-Mx	SHEET 1 OF 1

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol:](#)

[AT06GY-6S-N-TPE-M4](#)