

LENGTH TABLE

PART NUMBER	LENGTH (METERS)
AT06GY-3S-N-TPE-M1	1 (3.28FT)
AT06GY-3S-N-TPE-M2	2 (6.56FT)
AT06GY-3S-N-TPE-M4	4 (13.12FT)
AT06GY-3S-N-TPE-M5	5 (16.40FT)
AT06GY-3S-N-TPE-M10	10 (32.80FT)

CONNECTOR TYPE

AT - Amphenol AT Connector

PLEASE CONTACT CSR FOR ADDITIONAL 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

FACE VIEW

0.9in [24mm]

2.4in [62mm]

1in [25mm]

1in REF

2in [51mm]

1/4in [6.3mm]

.24in [REF]

LENGTH (Mx)

AT06GY-3S-N-TPE-M() METERS

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WIRING DIAGRAM

A BLACK 18AWG

B WHITE 18AWG

C BROWN 18AWG

REVISIONS

REV	ZONE	ECO	DESCRIPTION	DATE	BY	APPR
A1	-	-	RELEASED	11/25/2020	RO	WS
A2	-	-	ADDED CONTACT + PLATING INFORMATION TO DRAWING	4/20/2022	RO	RO
A3	-	-	UPDATED WIRING DIAGRAM	8/26/2022	RO	RO

AT06GY-3S-N-TPE-M2

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)

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:
HOUSING: PA66
SEAL: SILICONE RUBBER

2. MODIFICATIONS: OVERMOLDED

SPECIFICATIONS:
3.1 CURRENT RATING: 14AMPS - 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: THREE 18AWG, SRPVC INSULATED CONDUCTORS 41/34 BARE COPPER.
CONDUCTOR INSULATION: SRPVC (SEE COLOR CODE)
CABLING: 3 CONDUCTORS CABLED TOGETHER WITH FRPP FILLERS
BINDER: FLEECE TAPE
JACKET: TPE, BLACK
PRINT: AMPHENOL SINE SYSTEMS KA-56764-3 3C 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: AT04-3P* RECEPTACLE (* = MODIFICATIONS AND COLORS)

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

SP Structure+ Family

BEFORE OVERMOLD

AFTER OVERMOLD

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
	DRAWN: RO		11/5/2020
	CHECKED: WS		1/15/2021
	ENGINEER: RO		
	APPROVAL: WS		1/15/2021
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.	
NEXT ASSY:			

SIZE	TYPE	DWG NO:	REVISION
C	C-	AT06GY-3S-N-TPE-Mx	A3
SCALE: NONE		AT06GY-3S-N-TPE-Mx	SHEET 1 OF 1