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RELEASED FOR PUBLICATION

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ITEM	DESCRIPTION	MATERIAL	OTHERS
1	FEMALE CONTACT	COPPER ALLOY	GOLD PLATED
2	HOUSING	NYLON	BLACK
3	COUPLING NUT	ZAMAK	NICKEL PLATED
4	OVER-MOLDING	PVC/TPU	BLACK
5	SHIELDED SHELL	COPPER ALLOY	NICKEL PLATED
6	O-RING	SILICONE	GRAY
7	CABLE	PVC/PUR JACKET	GRAY/VIOLET
8	LABEL	-	-

2

45°

34.95 REF.

50 REF.

35±5

0m to 1m ±0.05m

1m to 3m ±0.1m

>3m ±1.5%

"L"

29.25 REF.

SW13

3

6

1

TE PN CODING:

T A X X X X X X X X X - X X X

TE M12 SERIES

CODE TYPE
A=A CODE

POLES NO.:
5-5 POS

APPLICATION TYPE
7=DEVICENET/CANOPEN SHIELDED

WIRE GAUGE
B=20AWG+
22AWG DRAIN WIRE

CABLE JACKET
1=PVC MODERATE FLEXIBLE
5=PUR HIGH FLEXIBLE(DRAG CHAIN)

OVERMOLDING
0=BLACK TPU
1=BLACK PVC

CABLE JACKET COLOR
5=VIOLET
SIMILAR TO RAL4001
6=GRAY
SIMILAR TO RAL7037

INTERFACE TYPE
1=MALE STRAIGHT
2=MALE ANGLED
3=FEMALE STRAIGHT
4=FEMALE ANGLED
5=MALE STRAIGHT TO FEMALE STRAIGHT
6=MALE STRAIGHT TO FEMALE ANGLED
A=MALE ANGLED TO FEMALE STRAIGHT

OTHER ATTRIBUTES
1=STANDARD SCREW NUT WITH NICKEL PLATED/
STAMPED TERMINAL 30U"AU PLATING

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-020:2.0M
-040:4.0M
-060:6.0M
-080:8.0M
-007:10.0M
-150:15.0M
CUSTOMIZATION RULES:
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

TABLE 1

TECHNICAL DATA

TAA754A1611-XXX

TAA754A5501-XXX

RATED VOLTAGE	60V
RATED IMPULSE VOLTAGE	1500V
RATED CURRENT	4A
POLLUTION DEGREE	3
OVERVOLTAGE CATEGORY	II
MATERIAL GROUP	II
DEGREE OF PROTECTION	IP67

PIN ARRANGEMENT

A-CODE

PIN 4 CAN_H WHITE

PIN 5 CAN_L BLUE

PIN 1 DRAIN BARE

PIN 3 V- BLACK

PIN 2 V+ RED

CIRCUIT DIAGRAM

FEMALE

3

4

5

2

1

DRAIN 1

V+ 2

V- 3

CAN_H 4

CAN_L 5

SHIELD

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29JUL2019	A.Z	C.W
	A1	CLARIFY TYPICAL PNS	22JUN2020	A.Z	C.W
	B	ECR-22-134232	15JUN2025	B.P	C.W

NOTE:

1. STRIP AND RETAIN THE INSULATION

2. CODE POSITION INDICATOR

3. RECOMMENDED TORQUE 0.6 Nm

4. -*:CABLE LENGTH,FOR EXAMPLE:-0.5M

5. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

6. LABEL CONTAINS: PN, DATE CODE...

注释:

1. 剥线并保留护套绝缘层

2. CODE位置指示

3. 推荐扭矩0.6 Nm

4. -*:线缆长度,例如:-0.5M

5. 线缆组件塑料袋包装

6. 标签包含: 产品编号, 日期代码...

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7

4

3

6

2

1

Wires: 2X22AWG+2X24AWG
+1X22 AWG DRAIN WIRE
WIRE COLOR: WHITE/BLUE/RED/BLACK
OD: APPROX. 6.9MM
PUR JACKET,VIOLET
OPERATION TEMPERATURE RATING:80°C UL
OPERATION TEMP RATING:
-40°C to +80°C
DRAG CHAIN TEST:
MIN: 0.5 MILLION CYCLES,DIAMETER 75MM,
SPEED 2m/s,ACCELERATION 2m/s²

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-020:2.0M
-040:4.0M
-060:6.0M
-080:8.0M
-007:10.0M
-150:15.0M
CUSTOMIZATION RULES:
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

Wires: 2X22AWG+2X24AWG
+1X22 AWG DRAIN WIRE
WIRE COLOR: WHITE/BLUE/RED/BLACK
OD: APPROX. 7.1MM
TEMPERATURE RATING:75°C UL
OPERATION TEMPERATURE RATING:
-10°C to +80°C

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-020:2.0M
-040:4.0M
-060:6.0M
-080:8.0M
-007:10.0M
-150:15.0M
CUSTOMIZATION RULES:
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

CABLE CHARACTERISTIC	LENGTH "L"	TYPE	TABLE 2 TE PN
M12A5-FR-PUR-**△			TAA754A5501-XXX
M12A5-FR-PVC-**△			TAA754A1611-XXX

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±
FINISH -
-

DWN 11APR2019
CHK ALEX ZHANG
HART HE 11APR2019
APVD CHRIS WANG 11APR2019
PRODUCT SPEC
108-106140
APPLICATION SPEC
114-137144
WEIGHT -
RESTRICTED CUSTOMER

TE Connectivity

M12 A CODE CABLE ASSY,SHIELDED
5P,FR FREE END

SIZE A2
CAGE CODE -
DRAWING NO
RESTRICTED TO

SCALE 2:1
SHEET 1 OF 1
REV B

1471-9 (3/13)