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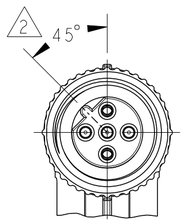
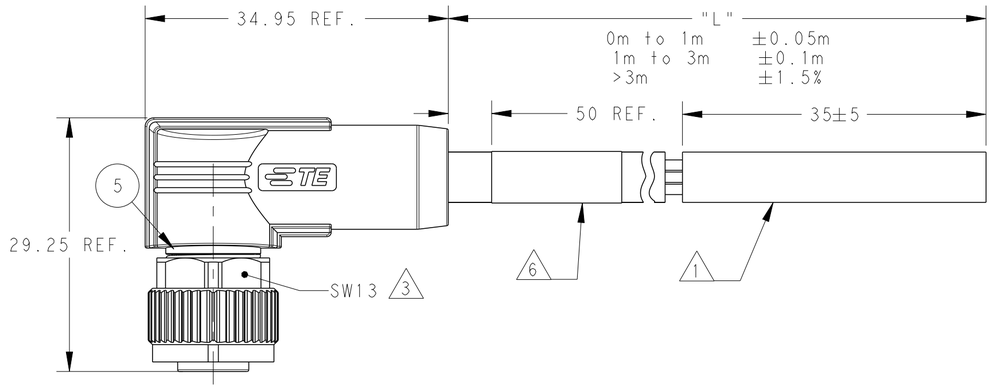
ITEM	DESCRIPTION	MATERIAL	OTHERS
1	FEMALE CONTACT	COPPER ALLOY	GOLD PLATED
2	HOUSING	NYLON	BLACK
3	COUPLING NUT	ZAMAK	NICKEL PLATED
4	OVER-MOLDING	TPU	BLACK
5	SHIELDED SHELL	COPPER ALLOY	NICKEL PLATED
6	O-RING	SILICONE	GRAY
7	CABLE	PUR JACKET	VIOLET
8	LABEL	-	-

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	01AUG2019	A.Z	C.W
	A1	CLARIFY TYPICAL PNS	22JUN2020	A.Z	C.W
	B	ECR-22-134232	27JAN2026	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...

TE PN CODING:

CABLE JACKET
5=PUR HIGH FLEXIBLE(DRAG CHAIN)
6=PUR HIGH FLEXIBLE(TORSION)

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

TE M12 SERIES

CODE TYPE
B=B CODE

POLES NO:
2-2 POS

APPLICATION TYPE
6=PROFIBUSDP SHIELDED

WIRE GAUGE
3=24AWG
4=22AWG

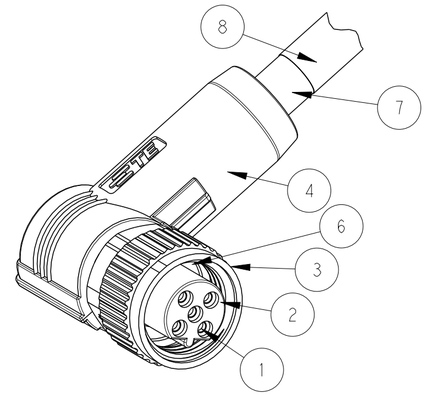
OVERMOLDING
0=BLACK TPU

CABLE JACKET COLOR
5=VIOLET
SIMILAR TO RAL4001

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)

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

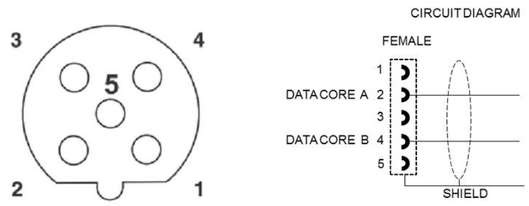
OTHER ATTRIBUTES
1=STANDARD SCREW NUT WITH NICKEL PLATED/ STAMPED TERMINAL 30U"AU PLATING



TECHNICAL DATA	
RATED VOLTAGE	250V
RATED IMPULSE VOLTAGE	2500V
RATED CURRENT	4A
POLLUTION DEGREE	3
OVERVOLTAGE CATEGORY	II
MATERIAL GROUP	II
DEGREE OF PROTECTION	IP67

PIN ARRANGEMENT
B-CODE

PIN 2 DATE CORE A GREEN
PIN 4 DATE CORE B RED



CABLE CHARACTERISTIC	LENGTH "L"	JACKET COLOR	JACKET MATERIAL	TYPE	POS.	TE PN
WIRES:22AWG WIRE COLOR: RED AND GREEN OD: APPROX.8.0MM TEMPERATURE RATING:80°C UL OPERATION TEMP RATING:-25°C To +75°C APPLICATIONS:FLEXIBLE,SUITABLE FOR ±180° TORSION APPLICATION,5 MILLION CYCLES FOR 1M LENGTH	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)	VIOLET	PUR	M12B2-FR-PUR TORSION-**4	2	TAB62446501-XXX
WIRES:24AWG WIRE COLOR: RED AND GREEN OD: APPROX.7.8MM TEMPERATURE RATING:80°C UL OPERATION TEMP RATING: -40°C To +80°C APPLICATIONS: FLEXIBLE,SUITABLE FOR DRAG CHAIN, MIN. 1 MILLION CYCLES,DIAMETER 75MM, SPEED 2m/s,ACCELERATION 2m/s²				M12B2-FR-PUR-**4		TAB62435501-XXX

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN ALEX ZHANG 11APR2019
CHK HART HE 11APR2019
APVD CHRIS WANG 11APR2019

DIMENSIONS: mm

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

MATERIAL -
-
FINISH -
-

PRODUCT SPEC 108-106140
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME M12 B CODE CABLE ASSY,SHIELDED 2P,FR FREE END

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	-	C-TAB624XX501XXX	

CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 1 | REV B