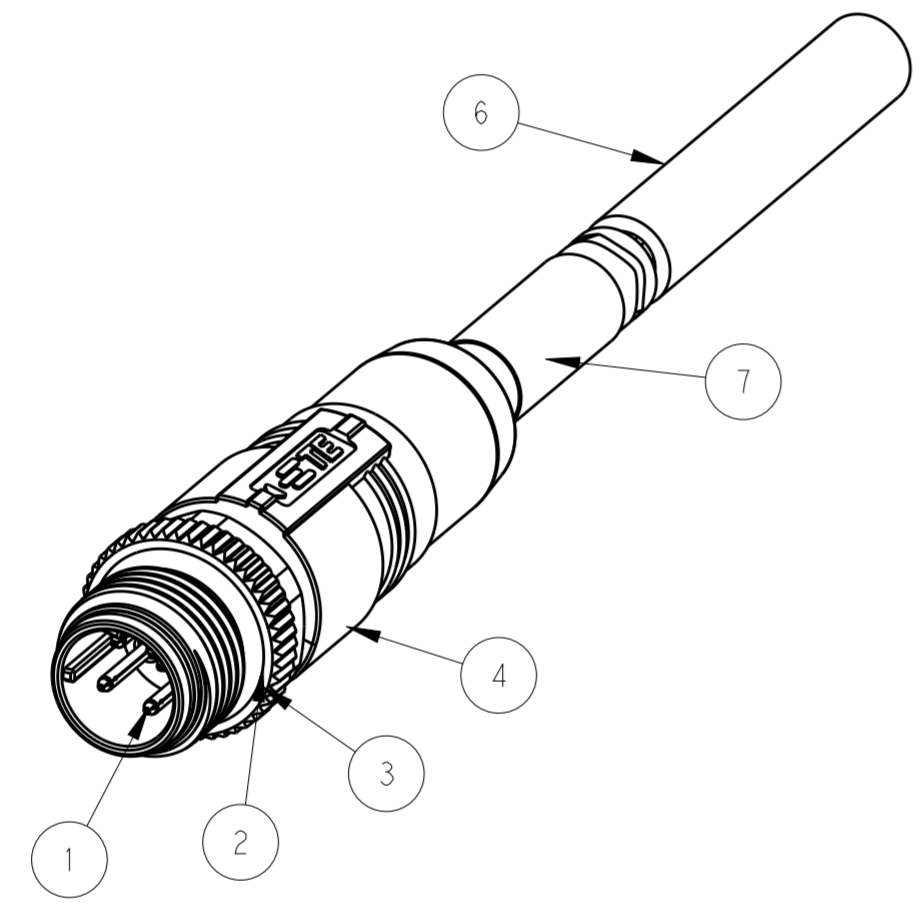
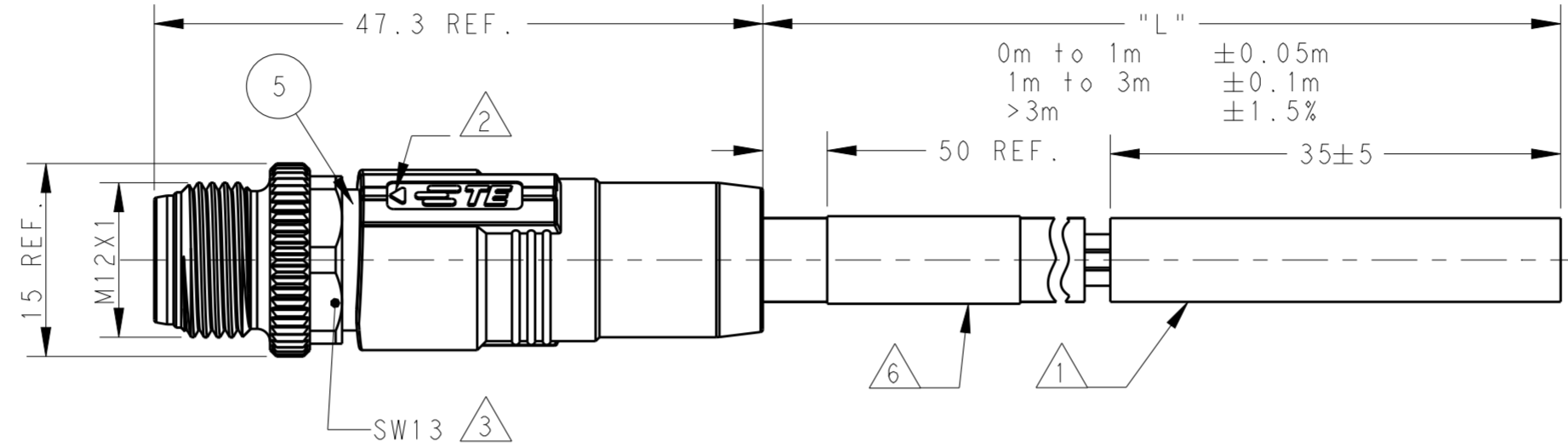
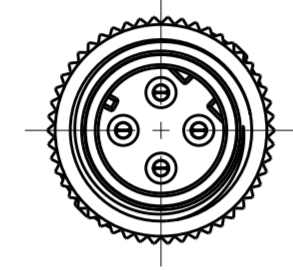


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| ITEM | DESCRIPTION    | MATERIAL     | OTHERS        |
|------|----------------|--------------|---------------|
| 1    | MALE CONTACT   | COPPER ALLOY | GOLD PLATED   |
| 2    | HOUSING        | NYLON        | BLACK         |
| 3    | COUPLING NUT   | COPPER ALLOY | NICKEL PLATED |
| 4    | OVER-MOLDING   | TPU/PVC      | BLACK         |
| 5    | SHIELDED SHELL | COPPER ALLOY | NICKEL PLATED |
| 6    | CABLE          | -            | -             |
| 7    | LABEL          | -            | -             |

| REVISIONS |     |                     |           |     |      |
|-----------|-----|---------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION         | DATE      | DWN | APVD |
|           | A   | INITIAL RELEASE     | 18JUL2019 | A.Z | C.W  |
|           | A1  | CORRECT DRAFT ERROR | 16OCT2019 | A.Z | C.W  |
|           | A2  | CLARIFY TYPICAL PNS | 22JUN2020 | A.Z | C.W  |



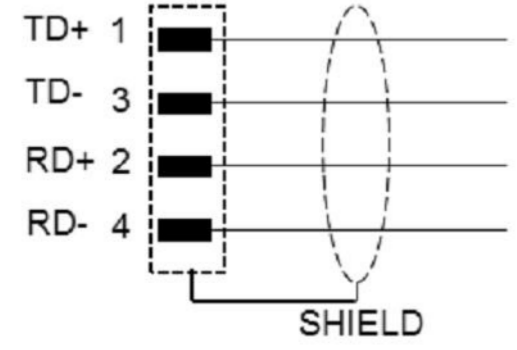
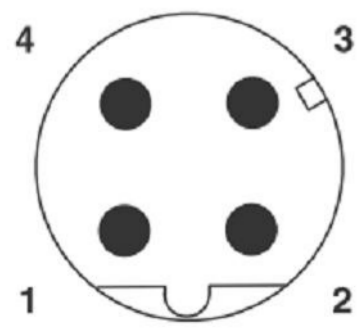
NOTE:  
 ①. STRIP AND RETAIN THE INSULATION  
 ②. CODE POSITION INDICATOR  
 ③. RECOMMENDED TORQUE 0.6 Nm  
 ④. -\*\* : CABLE LENGTH, FOR EXAMPLE: -0.5M  
 5. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS  
 ⑥. LABEL CONTAINS: PN, DATE CODE...

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...

PIN ARRANGEMENT D-CODE

|       |     |        |
|-------|-----|--------|
| PIN 1 | TD+ | YELLOW |
| PIN 3 | TD- | ORANGE |
| PIN 2 | RD+ | WHITE  |
| PIN 4 | RD- | BLUE   |

CIRCUIT DIAGRAM MALE



| WIRE CHARACTERISTIC   | LENGTH "L"   | JACKET COLOR | JACKET MATERIAL | TYPE                           | POS. | TE PN           |
|---|--|--------------|-----------------|--------------------------------|------|-----------------|
| WIRES: 1X4X22AWG<br>WIRE COLOR: WHITE/YELLOW/BLUE/ORANGE<br>OD: APPROX. 6.5MM<br>TEMPERATURE RATING: 80°C UL<br>OPERATING TEMP RATING: -40°C To +80°C   | TYPICAL LENGTH:<br>-001: 0.5M<br>-002: 1.0M<br>-020: 2.0M<br>-005: 5.0M<br>-007: 10.0M<br>-150: 15.0M<br>-200: 20.0M<br>-250: 25.0M<br>-300: 30.0M         | RED          | PVC             | M12D4-MS-PVC TYPE B RED-**④    | 4    | TAD14141311-XXX |
| WIRES: 1X4X22AWG<br>WIRE COLOR: WHITE/YELLOW/BLUE/ORANGE<br>OD: APPROX. 6.65MM<br>TEMPERATURE RATING: 80°C UL<br>OPERATING TEMP RATING: -30°C To +70°C<br>DRAG CHAIN TEST:<br>MIN. 1 MILLION CYCLES, DIAMETER 75MM,<br>SPEED 2m/s, ACCELERATION 2m/s <sup>2</sup> | CUSTOMIZATION RULES:<br>-003: 1.5M<br>-004: 3.0M<br>-005: 5.0M<br>-006: 7.0M<br>-99X: 0.XM (<1.0M)<br>(-993: 0.3M)<br>-XXX: XX.XM (>1.0M)<br>(-155: 15.5M) | GREEN        | PUR             | M12D4-MS-PUR TYPE C GREEN-**④  | 4    | TAD14145101-XXX |
| WIRES: 1X4X22AWG<br>WIRE COLOR: WHITE/YELLOW/BLUE/ORANGE<br>OD: APPROX. 6.5MM<br>TEMPERATURE RATING: 80°C UL<br>OPERATING TEMP RATING: -25°C To +80°C   |  | GREEN        | FRNC            | M12D4-MS-FRNC TYPE B GREEN-**④ | 4    | TAD14147101-XXX |
| WIRES: 1X4X22AWG<br>WIRE COLOR: WHITE/YELLOW/BLUE/ORANGE<br>OD: APPROX. 6.5MM<br>TEMPERATURE RATING: 80°C UL<br>OPERATING TEMP RATING: -40°C To +80°C   |  | GREEN        | PVC             | M12D4-MS-PVC TYPE B GREEN-**④  | 4    | TAD14141111-XXX |

THIS DRAWING IS A CONTROLLED DOCUMENT.

|                     |  |                           |                              |                            |   |
|---------------------|--|---------------------------|------------------------------|----------------------------|---|
| DIMENSIONS: mm      | TOLERANCES UNLESS OTHERWISE SPECIFIED: | DWN: ALEX ZHANG 11APR2019 | CHK: HART HE 11APR2019       | APVD: CHRIS WANG 11APR2019 | NAME: M12 D CODE CABLE ASSY, SHIELDED 4P, MS FREE END |
| MATERIAL: -         | FINISH: -                              | PRODUCT SPEC: 108-106140  | APPLICATION SPEC: 114-137144 | WEIGHT: -                  | SIZE: A2  |
| RESTRICTED CUSTOMER |  | SCALE: 2:1                |                              | SHEET 1 OF 2               |   |

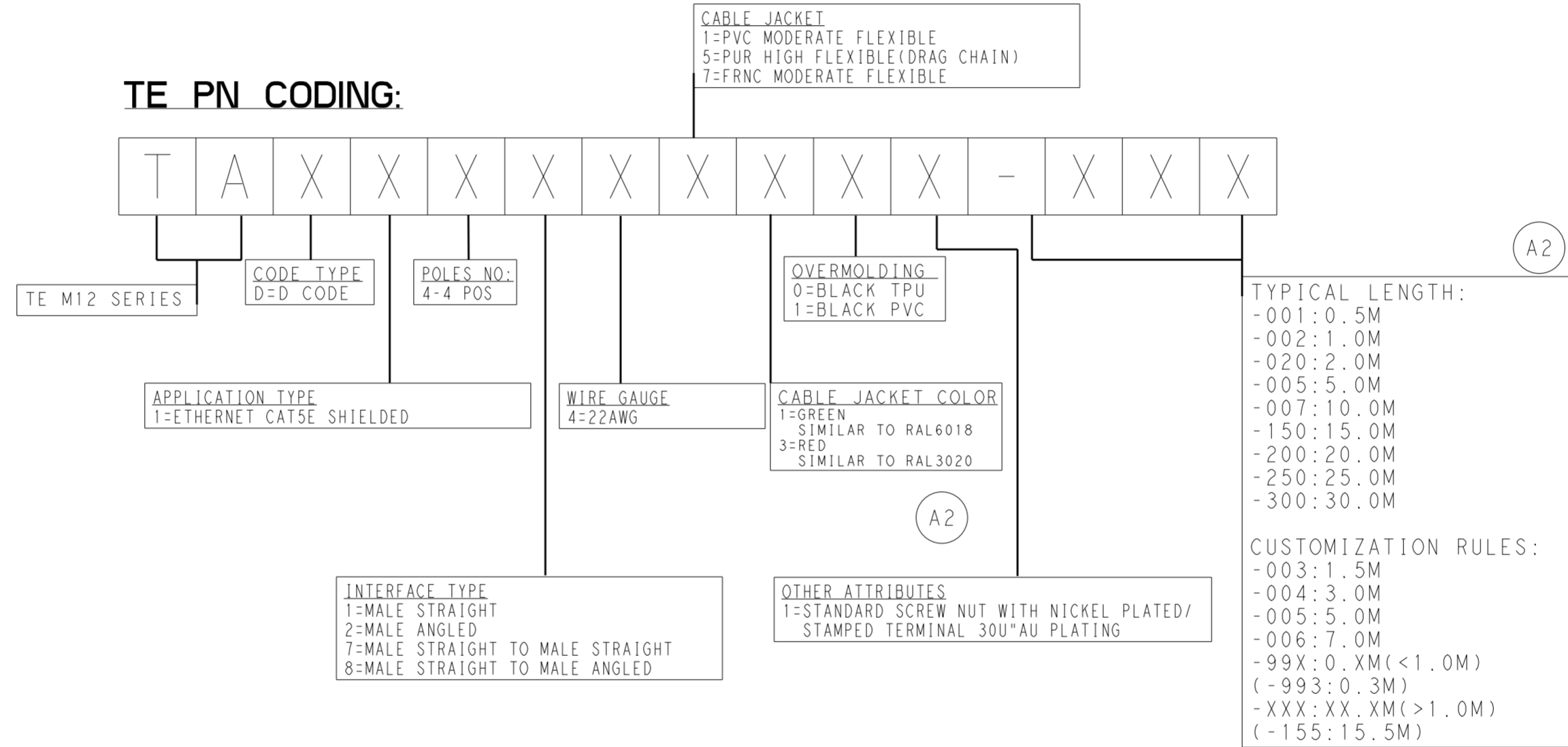
TE Connectivity

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| REVISIONS |     |             |      |      |
|-----------|-----|-------------|------|------|
| P         | LTR | DESCRIPTION | DATE | APVD |
| -         |     | SEE SHEET 1 | -    | -    |
|           |     |             |      |      |
|           |     |             |      |      |

| TECHNICAL DATA       |                 |
|----------------------|-----------------|
| RATED VOLTAGE        | 250V<br>30V(UL) |
| RATED CURRENT        | 4A<br>1.5A(UL)  |
| POLLUTION DEGREE     | 3               |
| OVERVOLTAGE CATEGORY | II              |
| MATERIAL GROUP       | II              |
| DEGREE OF PROTECTION | IP67            |

**TE PN CODING:**



|   |  |                                 |  |                 |
|---|--|---------------------------------|--|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>ALEX ZHANG<br>11APR2019  | <b>STE</b> TE Connectivity                                 |                 |
| DIMENSIONS:<br>mm   |  | CHK<br>HART HE<br>11APR2019     |  |                 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±<br>2 PLC ±<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±<br>FINISH |  | APVD<br>CHRIS WANG<br>11APR2019 | NAME<br>M12 D CODE CABLE ASSY, SHIELDED<br>4P, MS FREE END |                 |
| MATERIAL  |  | PRODUCT SPEC<br>108-106140      | SIZE<br>A2   | CAGE CODE<br>-  |
|   |  | APPLICATION SPEC<br>114-137144  | DRAWING NO<br>G-TAD1414XXXXXX                              | RESTRICTED TO   |
|   |  | WEIGHT<br>-                     | SCALE<br>2:1   | SHEET<br>2 OF 2 |
|   |  | RESTRICTED CUSTOMER             | REV<br>A2  |                 |