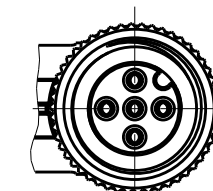
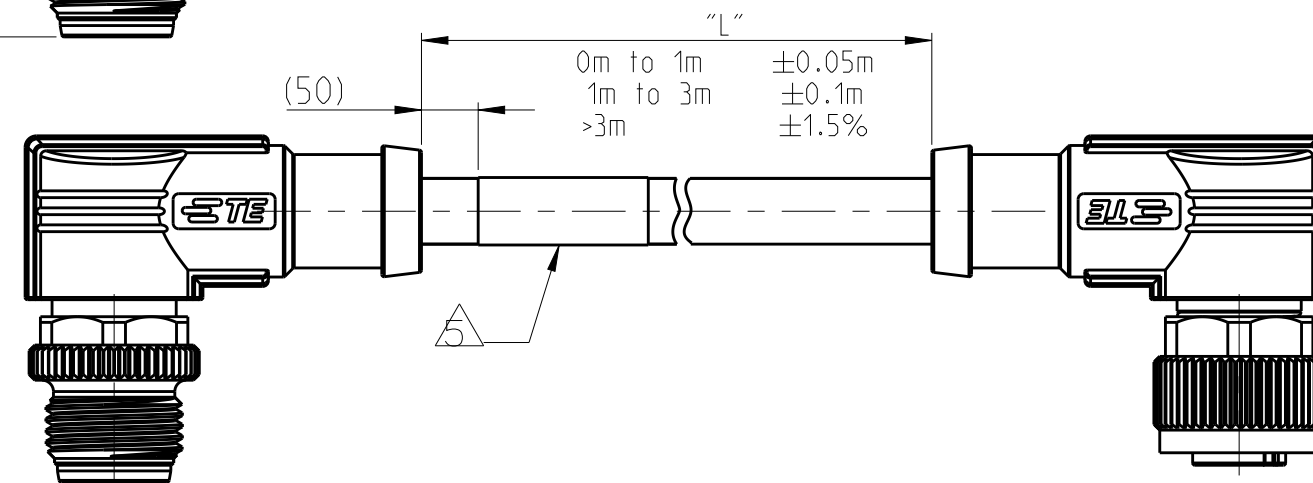
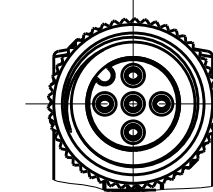
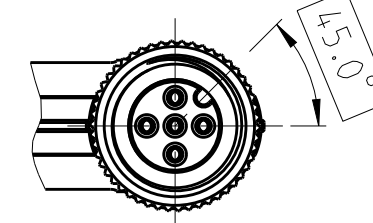
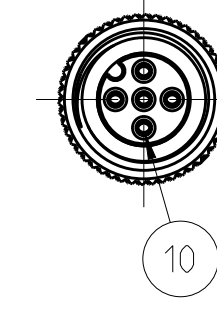


S2:FEMALE SIDES FACE VIEWS



| ITEM | DESCRIPTION    | MATERIAL     | OTHERS        |
|------|----------------|--------------|---------------|
| 1    | MALE CONTACT   | COPPER ALLOY | FLASH GOLD    |
| 2    | MALE HOUSING   | NYLON        | BLACK         |
| 3    | MALE NUT       | COPPER ALLOY | NICKEL PLATED |
| 4    | SHIELDED SHELL | COPPER ALLOY | NICKEL PLATED |
| 5    | OVER-MOLDING   | POLYURETHANE | BLUE          |
| 6    | CABLE          | -            | -             |
| 7    | LABEL          | -            | -             |
| 8    | FEMALE NUT     | COPPER ALLOY | NICKEL PLATED |
| 9    | FEMALE HOUSING | NYLON        | BLACK         |
| 10   | FEMALE CONTACT | COPPER ALLOY | FLASH GOLD    |

| MALE FACE VIEW    |                              |                                         |                                                   |
|-------------------|------------------------------|-----------------------------------------|---------------------------------------------------|
| 2-POLES           | 3-POLES                      | 4-POLES                                 | 5-POLES                                           |
|                   |                              |                                         |                                                   |
| WIRING DIAGRAM    |                              |                                         |                                                   |
| 1-BROWN<br>3-BLUE | 1-BROWN<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK<br>5-GRAY |

| FEMALE FACE VIEW  |                              |                                         |                                                   |
|-------------------|------------------------------|-----------------------------------------|---------------------------------------------------|
| 2-POLES           | 3-POLES                      | 4-POLES                                 | 5-POLES                                           |
|                   |                              |                                         |                                                   |
| WIRING DIAGRAM    |                              |                                         |                                                   |
| 1-BROWN<br>3-BLUE | 1-BROWN<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK | 1-BROWN<br>2-WHITE<br>3-BLUE<br>4-BLACK<br>5-GRAY |

|                      |                 |                 |                 |                 |
|----------------------|-----------------|-----------------|-----------------|-----------------|
| TECHNICAL DATA       | T4162XXX002-00X | T4162XXX003-00X | T4162XXX004-00X | T4162XXX005-XXX |
| RATED VOLTAGE        | 250V            |                 |                 | 60V             |
| RATED CURRENT        | 4A              |                 |                 |                 |
| POLLUTION DEGREE     | 3               |                 |                 |                 |
| OVERVOLTAGE CATEGORY | II              |                 |                 |                 |
| MATERIAL GROUP       | II              |                 |                 |                 |
| DEGREE OF PROTECTION | IP67            |                 |                 |                 |

|                                                                                       |  |                                                                                                          |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN 25JUL2018<br>GAVIN WANG<br>CHK 25JUL2018<br>KEVIN HUANG<br>APVD 25JUL2018<br>CHRIS WANG              |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±<br>2 PLC ±<br>4 PLC ±<br>ANGLES ±<br>FINISH |  | NAME<br>M12X1 MALE TO FEMALE,XP<br>A-CODE,SHIELDED<br>-                                               |  |
|  |  | PRODUCT SPEC<br>108-106140<br>APPLICATION SPEC<br>114-137144                                             |  | SIZE<br>A2                                                                                            |  |
| MATERIAL<br>TBD                                                                       |  | WEIGHT<br>-                                                                                              |  | CAGE CODE<br>-                                                                                        |  |
|                                                                                       |  | CUSTOMER DRAWING                                                                                         |  | DRAWING NO<br>C-T4162XXX0XX00X                                                                        |  |
|                                                                                       |  |                                                                                                          |  | RESTRICTED TO<br>-                                                                                    |  |
|                                                                                       |  |                                                                                                          |  | SCALE 2:1<br>SHEET 1 of 2<br>REV A1                                                                   |  |

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TE PN CODING:

T4162XXXX0XX-00X

THREAD M12X1  
DOUBLE ENDED  
SHIELDED

S1 TYPE:  
1-MALE STRAIGHT  
2-MALE 90°  
3-FEMALE STRAIGHT  
4-FEMALE 90°

S2 TYPE:  
1-MALE STRAIGHT  
2-MALE 90°  
3-FEMALE STRAIGHT  
4-FEMALE 90°

POLES:  
02-INSERT 2 POS  
03-INSERT 3 POS  
04-INSERT 4 POS  
05-INSERT 5 POS

CABLE TYPE  
1-0.34mm²,PVC BLACK  
2-0.34mm²,PUR GRAY

LENGTH:  
STANDARD:  
-001:0.5 M  
-002:1.0 M  
-003:1.5 M  
-004:3.0 M  
-005:5.0 M  
-006:7.0 M  
-007:10.0 M  
CUSTOMIZATION:  
-XX0:XX.0 M  
-XX5:XX.5 M  
-99X: 0.X M  
-98X:WITH SPECIAL KEY  
POSITION  
981:0.5M,  
982:1.0M...

TE TYPE CODING:

RPC-M12-XXX-\*\*SH-M12-XXX-PXX

RPC SERIES

S1 CONNECTOR TYPE:  
M12X1 A-CODE  
CONNECTOR

S1 TYPE:  
2MS-2CON,MALE STRAIGHT  
3MS-3CON,MALE STRAIGHT  
4MS-4CON,MALE STRAIGHT  
5MS-5CON,MALE STRAIGHT  
2MR-2CON,MALE 90°  
3MR-3CON,MALE 90°  
4MR-4CON,MALE 90°  
5MR-5CON,MALE 90°  
5MRS-5CON,MALE 90°,WITH SPECIAL KEY POSITION

CABLE LENGTH:  
0.5:0.5M,  
1.0:1.0M,  
1.5:1.5M,  
3.0:3.0M,  
5.0:5.0M,  
7.0:7.0M,  
10.0:10.0M,  
...

S2 CONNECTOR TYPE:  
M12X1 A-CODE  
CONNECTOR

S2 TYPE:  
2FS-2CON,FEMALE STRAIGHT  
3FS-3CON,FEMALE STRAIGHT  
4FS-4CON,FEMALE STRAIGHT  
5FS-5CON,FEMALE STRAIGHT  
2FR-2CON,FEMALE 90°  
3FR-3CON,FEMALE 90°  
4FR-4CON,FEMALE 90°  
5FR-5CON,FEMALE 90°

CABLE TYPE  
PVC-0.34mm²,PVC BLACK  
PUR-0.34mm²,PUR GRAY

NOTE:

△. TECHNICAL DATA: SEE TABLE 1

△. CODE POSITION INDICATOR

△. RECOMMENDED TORQUE 0.6 Nm

4. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

△. LABEL CONTAINS: PN, DATE CODE...

△. CABLE LENGTH CODE:  
STANDARD LENGTH:001...007  
CUSTOMIZATION LENGTH: >1.0M;XX0 OR XX5  
EXAMPLE:3.5M:035;15.0M:150...  
<1.0M;99X  
EXAMPLE:0.4M:994;...0.9M:999

注释:

△. 技术参数:参考表1

△. CODE位置指示

△. 推荐扭矩0.6 Nm

4. 线缆组件塑料袋包装

△. 标签包含: 产品编号, 日期代码...

△. 线缆长度编码:  
标准长度:001...007  
定制长度:>1.0M;XX0 或 XX5  
例如:3.5M:035;15.0M:150...  
<1.0M;99X  
例如:0.4M:994;...0.9M:999

REVISIONS

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

|                                            |                 |                    |                               |      |                 |
|--------------------------------------------|-----------------|--------------------|-------------------------------|------|-----------------|
| FIXED:<br>-40℃~80℃<br>FLXIBLE:<br>-25℃~80℃ | GRAY            | PUR<br>(UL)        | RPC-M12-5MR-**SH-M12-5FR-PUR  | 5    | T4162224005-00X |
|                                            |                 |                    | RPC-M12-4MR-**SH-M12-4FR-PUR  | 4    | T4162224004-00X |
|                                            |                 |                    | RPC-M12-3MR-**SH-M12-3FR-PUR  | 3    | T4162224003-00X |
|                                            |                 |                    | RPC-M12-2MR-**SH-M12-2FR-PUR  | 2    | T4162224002-00X |
| FIXED:<br>-10℃~80℃<br>FLXIBLE:<br>-5℃~80℃  | BLACK           | PVC<br>(UL)        | RPC-M12-5MR-**SH-M12-5FR-PVC  | 5    | T4162214005-00X |
|                                            |                 |                    | RPC-M12-4MR-**SH-M12-4FR-PVC  | 4    | T4162214004-00X |
|                                            |                 |                    | RPC-M12-3MR-**SH-M12-3FR-PVC  | 3    | T4162214003-00X |
|                                            |                 |                    | RPC-M12-2MR-**SH-M12-2FR-PVC  | 2    | T4162214002-00X |
| FIXED:<br>-40℃~80℃<br>FLXIBLE:<br>-25℃~80℃ | GRAY            | PUR<br>(UL)        | RPC-M12-5MR-**SH-M12-5FS-PUR  | 5    | T4162223005-00X |
|                                            |                 |                    | RPC-M12-4MR-**SH-M12-4FS-PUR  | 4    | T4162223004-00X |
|                                            |                 |                    | RPC-M12-3MR-**SH-M12-3FS-PUR  | 3    | T4162223003-00X |
|                                            |                 |                    | RPC-M12-2MR-**SH-M12-2FS-PUR  | 2    | T4162223002-00X |
| FIXED:<br>-10℃~80℃<br>FLXIBLE:<br>-5℃~80℃  | BLACK           | PVC<br>(UL)        | RPC-M12-5MRS-**SH-M12-5FS-PVC | 5    | T4162213005-98X |
|                                            |                 |                    | RPC-M12-5MR-**SH-M12-5FS-PVC  | 5    | T4162213005-00X |
|                                            |                 |                    | RPC-M12-4MR-**SH-M12-4FS-PVC  | 4    | T4162213004-00X |
|                                            |                 |                    | RPC-M12-3MR-**SH-M12-3FS-PVC  | 3    | T4162213003-00X |
|                                            |                 |                    | RPC-M12-2MR-**SH-M12-2FS-PVC  | 2    | T4162213002-00X |
| FIXED:<br>-40℃~80℃<br>FLXIBLE:<br>-25℃~80℃ | GRAY            | PUR<br>(UL)        | RPC-M12-5MS-**SH-M12-5FR-PUR  | 5    | T4162124005-00X |
|                                            |                 |                    | RPC-M12-4MS-**SH-M12-4FR-PUR  | 4    | T4162124004-00X |
|                                            |                 |                    | RPC-M12-3MS-**SH-M12-3FR-PUR  | 3    | T4162124003-00X |
|                                            |                 |                    | RPC-M12-2MS-**SH-M12-2FR-PUR  | 2    | T4162124002-00X |
| FIXED:<br>-10℃~80℃<br>FLXIBLE:<br>-5℃~80℃  | BLACK           | PVC<br>(UL)        | RPC-M12-5MS-**SH-M12-5FR-PVC  | 5    | T4162114005-00X |
|                                            |                 |                    | RPC-M12-4MS-**SH-M12-4FR-PVC  | 4    | T4162114004-00X |
|                                            |                 |                    | RPC-M12-3MS-**SH-M12-3FR-PVC  | 3    | T4162114003-00X |
|                                            |                 |                    | RPC-M12-2MS-**SH-M12-2FR-PVC  | 2    | T4162114002-00X |
| FIXED:<br>-40℃~80℃<br>FLXIBLE:<br>-25℃~80℃ | GRAY            | PUR<br>(UL)        | RPC-M12-5MS-**SH-M12-5FS-PUR  | 5    | T4162123005-00X |
|                                            |                 |                    | RPC-M12-4MS-**SH-M12-4FS-PUR  | 4    | T4162123004-00X |
|                                            |                 |                    | RPC-M12-3MS-**SH-M12-3FS-PUR  | 3    | T4162123003-00X |
|                                            |                 |                    | RPC-M12-2MS-**SH-M12-2FS-PUR  | 2    | T4162123002-00X |
| FIXED:<br>-10℃~80℃<br>FLXIBLE:<br>-5℃~80℃  | BLACK           | PVC<br>(UL)        | RPC-M12-5MS-**SH-M12-5FS-PVC  | 5    | T4162113005-00X |
|                                            |                 |                    | RPC-M12-4MS-**SH-M12-4FS-PVC  | 4    | T4162113004-00X |
|                                            |                 |                    | RPC-M12-3MS-**SH-M12-3FS-PVC  | 3    | T4162113003-00X |
|                                            |                 |                    | RPC-M12-2MS-**SH-M12-2FS-PVC  | 2    | T4162113002-00X |
| CABLE<br>TEMP.RANGE                        | JACKET<br>COLOR | JACKET<br>MATERIAL | TYPE                          | POS. | TE PART NUMBER  |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ±  
1 PLC ±  
2 PLC ±  
3 PLC ±  
4 PLC ±  
ANGLES ±  
FINISH

MATERIAL

-

-

DWN  
GAVIN WANG  
25 JUL 2018

CHK  
KEVIN HUANG  
25 JUL 2018

APVD  
CHRIS WANG  
25 JUL 2018

PRODUCT SPEC  
108-106140

APPLICATION SPEC  
114-137144

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

NAME  
M12X1 MALE TO FEMALE,XP  
A-CODE,SHIELDED

SIZE  
A2

CAGE CODE  
-

DRAWING NO  
©T4162XXX0XX00X

RESTRICTED TO  
-

SCALE  
2:1

SHEET  
2 OF 2

REV  
A1

1471-9 (3/13)

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