

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	25JUL2018	G.W	C.W
	A1	ECR-19-007526	14MAY2019	RG	CW

S2:FEMALE SIDES FACE VIEWS

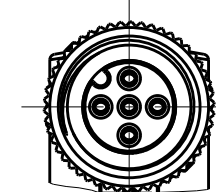
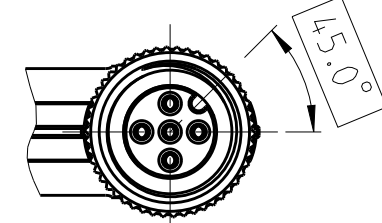
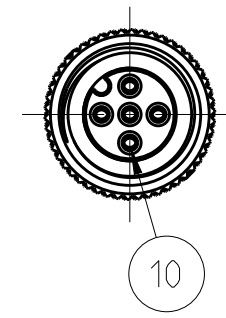
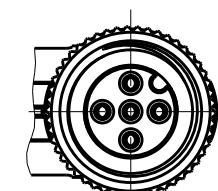
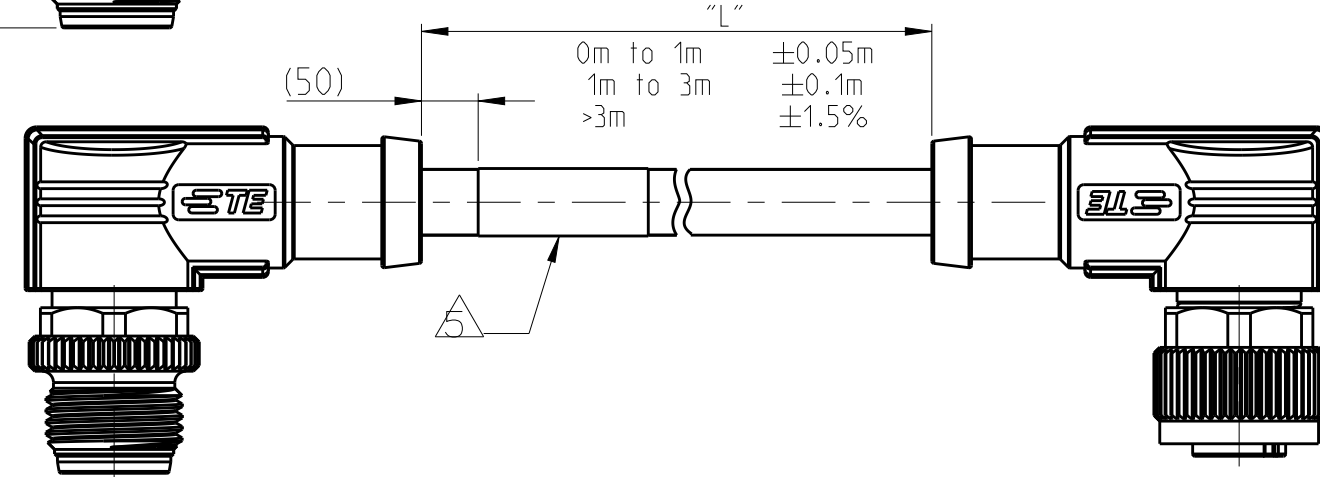


Fig. 1

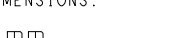


ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	FLASH GOLD
2	MALE HOUSING	NYLON	BLACK
3	MALE NUT	COPPER ALLOY	NICKEL PLATED
4	SHIELDED SHELL	COPPER ALLOY	NICKEL PLATED
5	OVER-MOLDING	POLYURETHANE	BLUE
6	CABLE	-	-
7	LABEL	-	-
8	FEMALE NUT	COPPER ALLOY	NICKEL PLATED
9	FEMALE HOUSING	NYLON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

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

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

TECHNICAL DATA	T4162XXX002-00X	T4162XXX003-00X	T4162XXX004-00X	T4162XXX005-XXX
	250V			60V
	4 A			
	3			
	II			
	II			
	IP67			

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GAVIN WANG 25JUL2018	 TE Connectivity			
		CHK KEVIN HUANG 25JUL2018				
DIMENSIONS: mm		APVD CHRIS WANG 25JUL2018	NAME M12X1 MALE TO FEMALE,XP A-CODE,SHIELDED -			
		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±				
MATERIAL TBD -	FINISH - -	PRODUCT SPEC 108-106140 APPLICATION SPEC 114-137144 WEIGHT -	SIZE A2	CAGE CODE -	DRAWING NO C-T4162XXX0XX00X	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 2:1	SHEET 1 of 2	REV A1	

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

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TE PN CODING:

T4162XXXX-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

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...

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

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:
-40℃~80℃
FLXIBLE:
-25℃~80℃

GRAY

PUR
(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:
-10℃~80℃
FLXIBLE:
-5℃~80℃

BLACK

PVC
(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:
-40℃~80℃
FLXIBLE:
-25℃~80℃

GRAY

PUR
(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:
-10℃~80℃
FLXIBLE:
-5℃~80℃

BLACK

PVC
(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:
-40℃~80℃
FLXIBLE:
-25℃~80℃

GRAY

PUR
(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:
-10℃~80℃
FLXIBLE:
-5℃~80℃

BLACK

PVC
(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:
-40℃~80℃
FLXIBLE:
-25℃~80℃

GRAY

PUR
(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:
-10℃~80℃
FLXIBLE:
-5℃~80℃

BLACK

PVC
(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
TEMP.RANGE

JACKET
COLOR

JACKET
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)

Mouser Electronics

Authorized Distributor

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