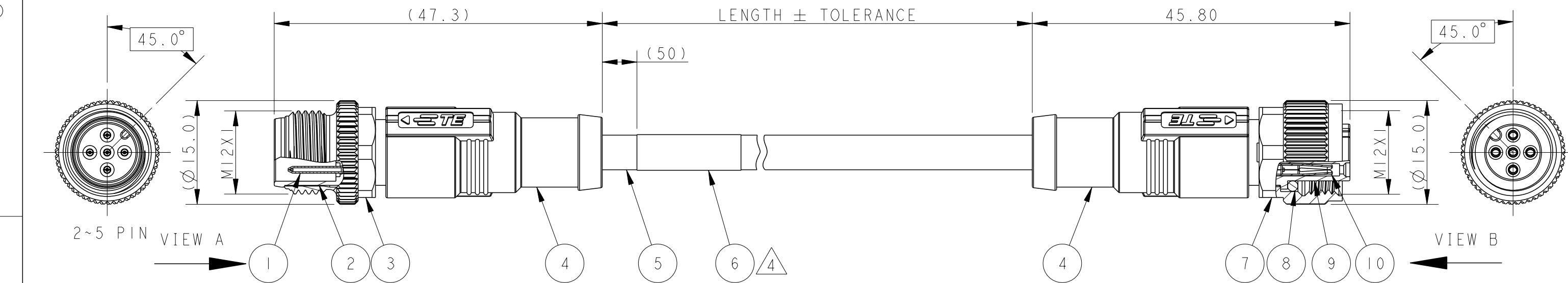
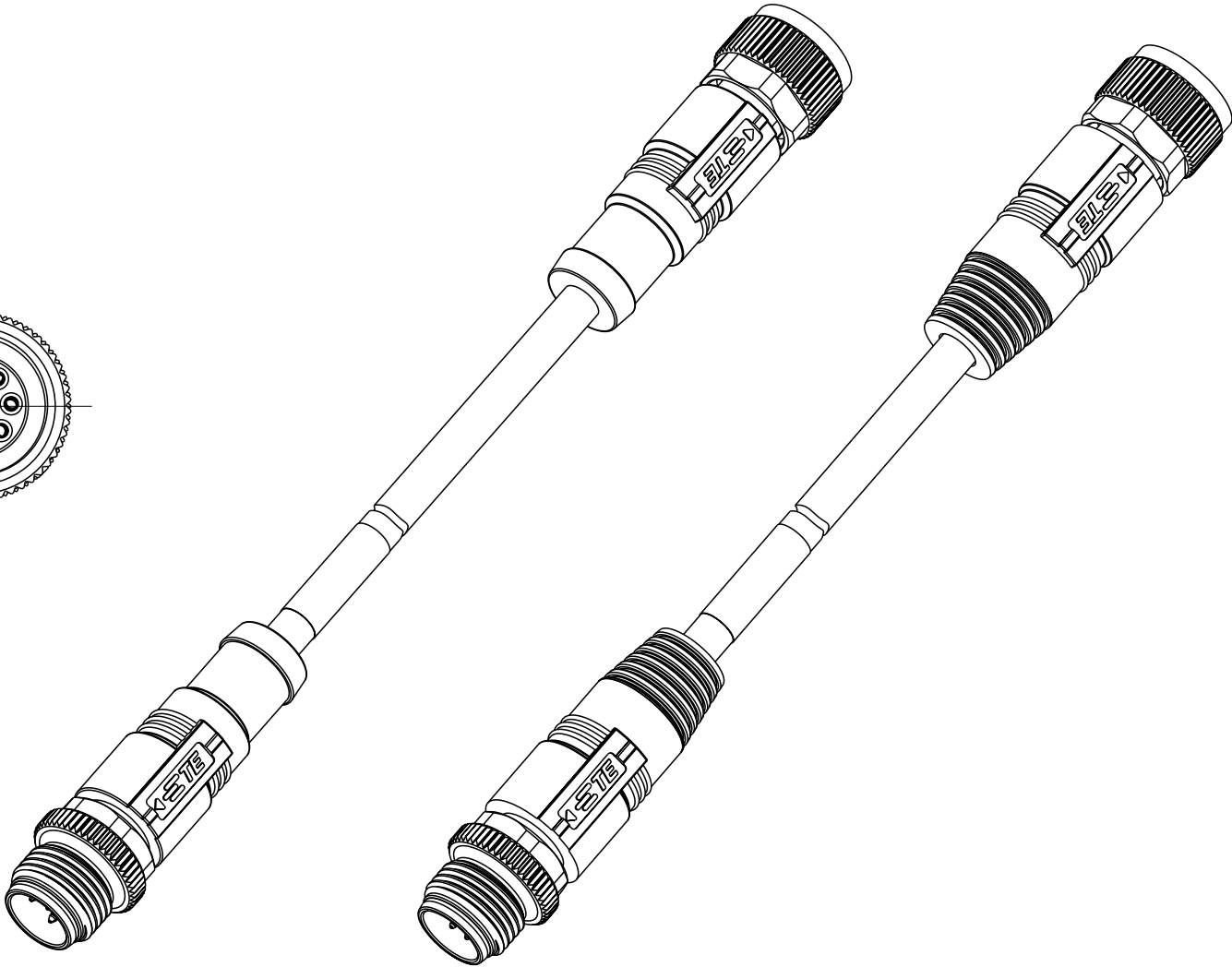
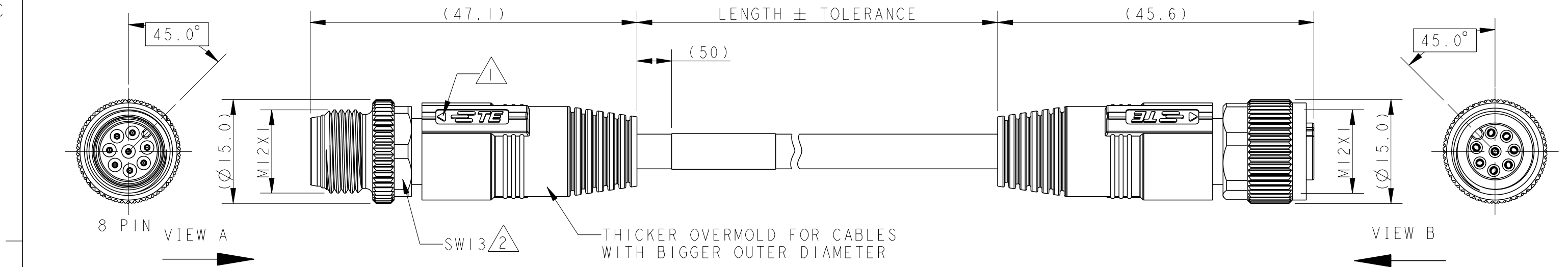


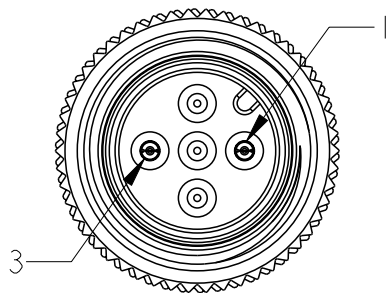
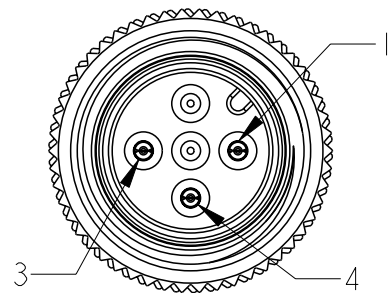
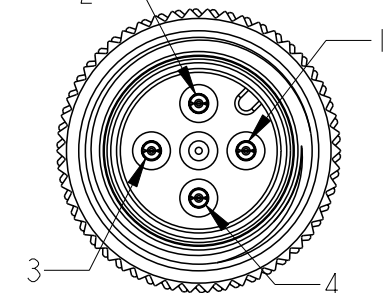
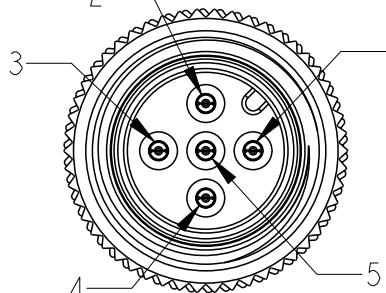
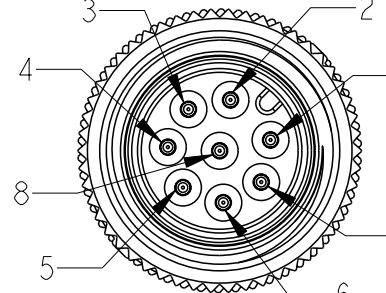
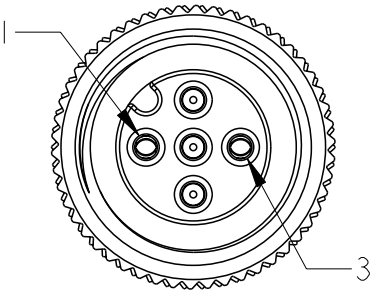
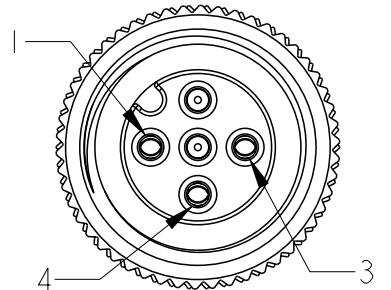
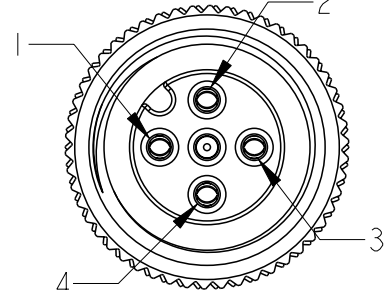
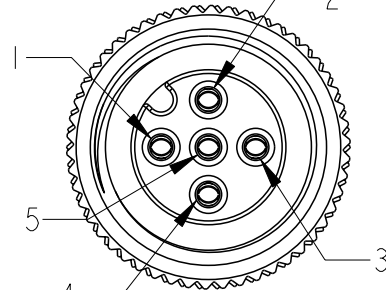
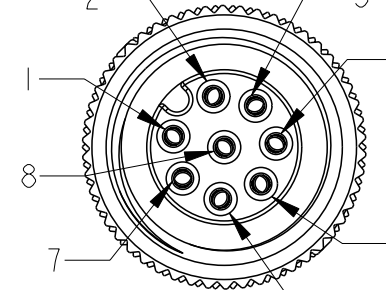
(T41521X3*) M12 ST MALE TO M12 ST FEMALE DOUBLE ENDED CABLE ASSEMBLY (Unshielded)

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	12APR2021	BP	CW



ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	FLASH GOLD
2	MALE HOUSING	NYLON	BLACK
3	MALE NUT	COPPER ALLOY	NICKEL PLATED
4	OVER-MOLDING	POLYURETHANE	BLUE
5	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
6	LABEL	-	-
7	FEMALE NUT	COPPER ALLOY	NICKEL PLATED
8	O-RING	SILICONE	GRAY
9	FEMALE HOUSING	NYLON	BLACK
10	FEMALE CONTACT	COPPER ALLOY	FLASH GOLD



PN	T41521X3002-XXX	T41521X3003-XXX	T41521X3004-XXX	T41521X3005-XXX	T41521X3008-XXX					
VIEW A										
VIEW B										
WIRING DIAGRAM	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	---	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	---	5	GREY	5	GREY
									6	PINK
									7	BLUE
								8	RED	
STANDARD	CODING REQUIRED TO IEC 61076-2-101									

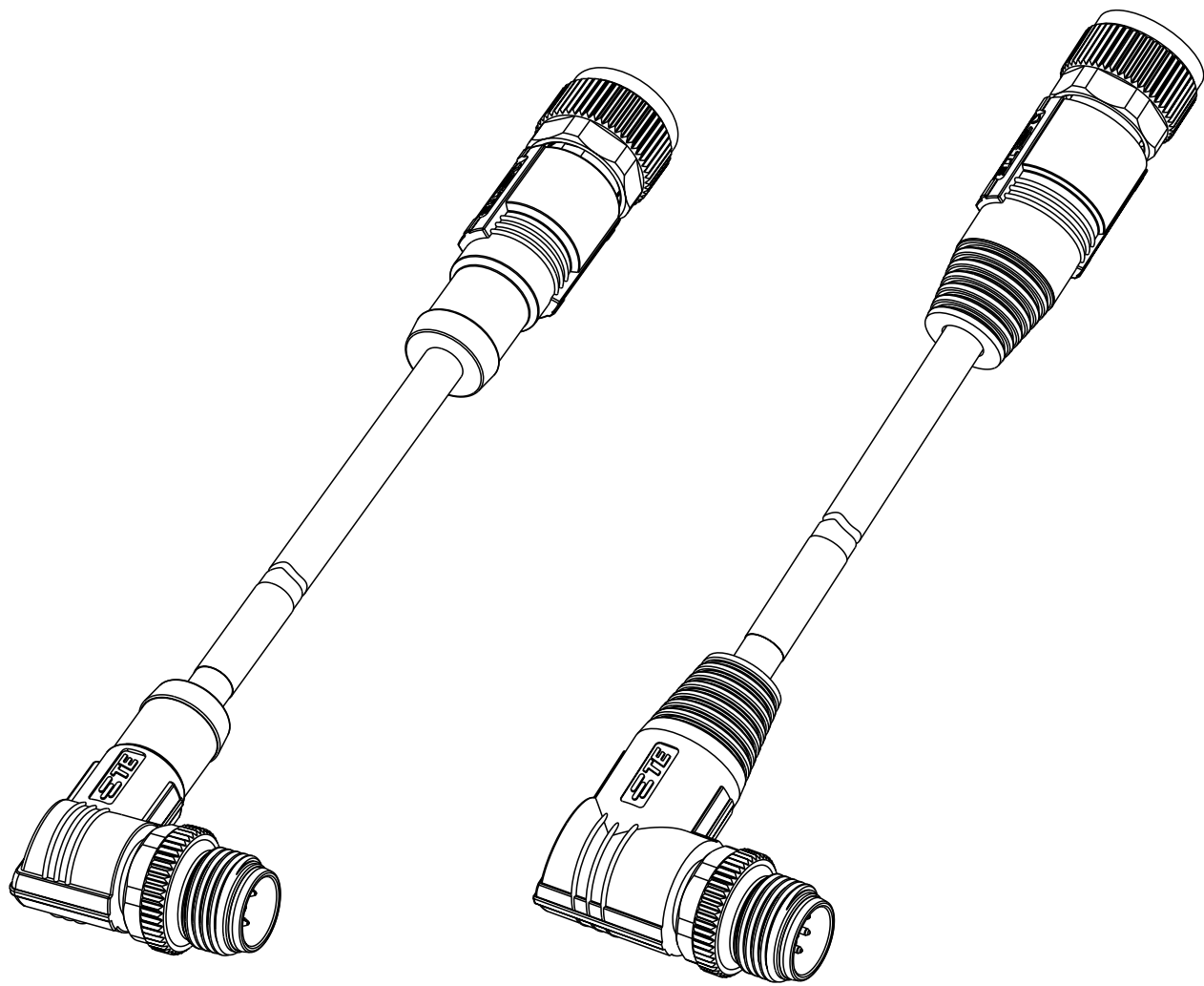
CODING REQUIRED TO IEC 61076-2-101

TECHNICAL DATA	T41521X3002-XXX	T41521X3003-XXX	T41521X3004-XXX	T41521X3005-XXX	T41521X3008-XXX
	250V			60V	30V
	2500V			1500V	800V
	4A				2A
	3				
	II				
	II				
	IP67				

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BLAZE PENG CHK KEVIN HUANG APVD CHRIS WANG	10APR2021 10APR2021 10APR2021	ENTRELEC Electrical Solutions	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH		NAME M12 CABLE ASSEMBLY DOUBLE END UNSHIELDED	
MATERIAL		108-106140 114-137144		SIZE A200779	
		CUSTOMER DRAWING		RESTRICTED TO A	

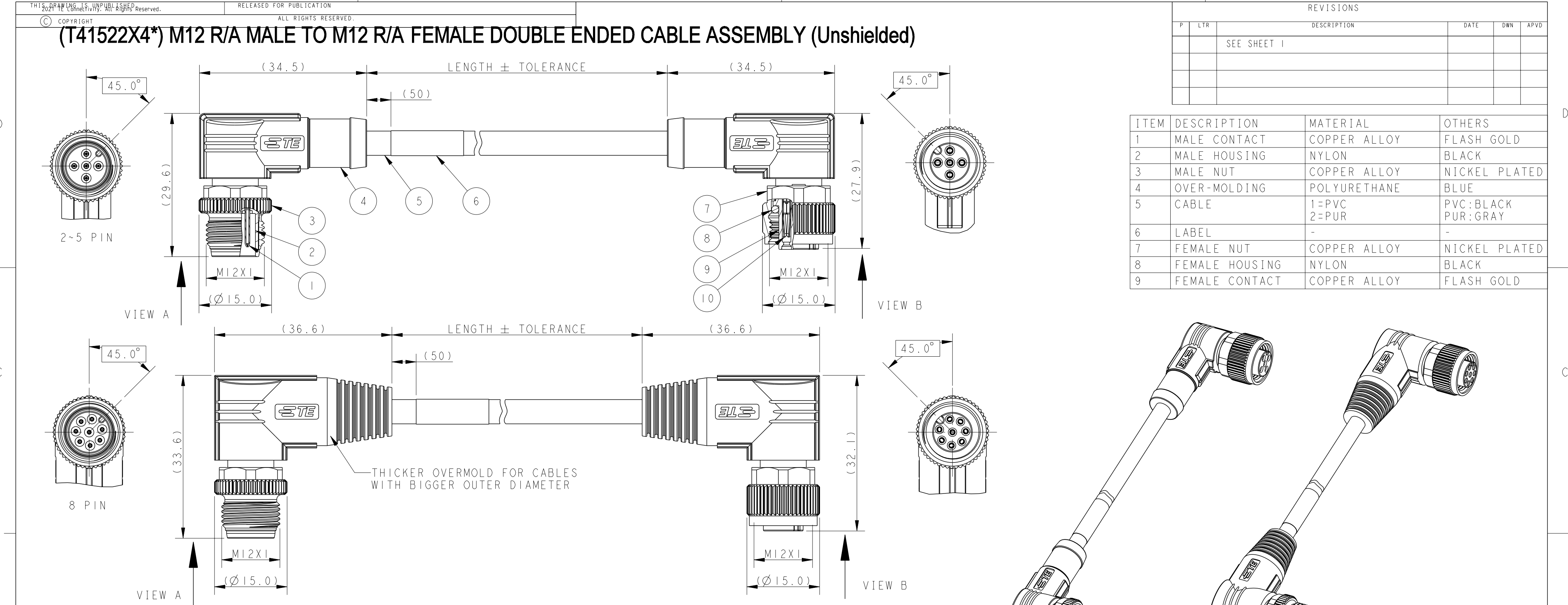
REVISIONS

ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	FLASH GOLD
2	MALE HOUSING	NYLON	BLACK
3	MALE NUT	COPPER ALLOY	NICKEL PLATED
4	OVER-MOLDING	POLYURETHANE	BLUE
5	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
6	LABEL	-	-
7	FEMALE NUT	COPPER ALLOY	NICKEL PLATED
8	O-RING	SILICONE	GRAY
9	FEMALE HOUSING	NYLON	BLACK
10	FEMALE CONTACT	COPPER ALLOY	FLASH GOLD



TECHNICAL DATA	T41522X3002-XXX	T41522X3003-XXX	T41522X3004-XXX	T41522X3005-XXX	T41522X3008-XXX
RATED VOLTAGE	250V			60V	30V
RATED IMPULSE VOLTAGE	2500V			1500V	800V
RATED CURRENT	4A				2A
POLLUTION DEGREE	3				
OVERVOLTAGE CATEGORY	II				
MATERIAL GROUP	II				
DEGREE OF PROTECTION	IP67				

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 10APR2021 BLAZE PENG CHK 10APR2021 KEVIN HUANG APVD 10APR2021 CHRIS WANG		ENTRELEC Electrical Solutions			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME M12 CABLE ASSEMBLY DOUBLE END UNSHIELDED			
		0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ±		PRODUCT SPEC 108-106140		SIZE A2	
MATERIAL - -		FINISH - -		APPLICATION SPEC 114-137144		CAGE CODE 00779	
				WEIGHT -		DRAWING NO C=1SET311C02R0000	
CUSTOMER DRAWING				SCALE 1:1		SHEET 3 OF 5	
						REV A	



1

2

3

4

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7

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M12X1

(Ø15.0)

M12X1

(Ø15.0)

(50)

1

2

3

4

5

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7

8

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10

M12X1

(Ø15.0)

M12X1

(Ø15.0)

(50)

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M12X1

(Ø15.0)

M12X1

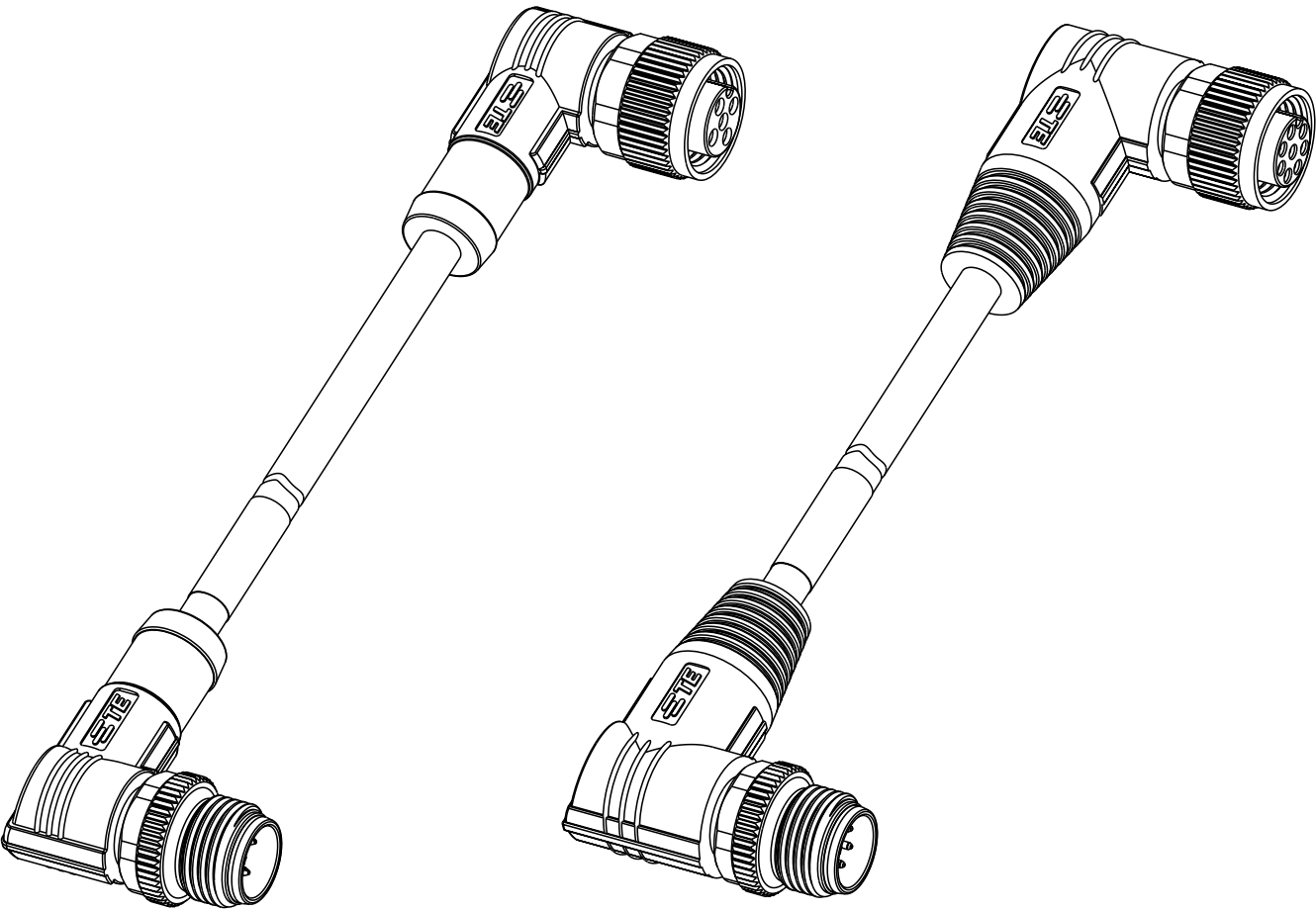
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PN	T41522X4002-XXX	T41522X4003-XXX	T41522X4004-XXX	T41522X4005-XXX	T41522X4008-XXX					
VIEW A										
VIEW B										
WIRING DIAGRAM	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	---	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	---	5	GREY	5	GREY
									6	PINK
									7	BLUE
									8	RED
STANDARD	CODING REQUIRED TO IEC 61076-2-101									

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 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	OVER-MOLDING	POLYURETHANE	BLUE
5	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
6	LABEL	-	-
7	FEMALE NUT	COPPER ALLOY	NICKEL PLATED
8	FEMALE HOUSING	NYLON	BLACK
9	FEMALE CONTACT	COPPER ALLOY	FLASH GOLD



TECHNICAL DATA	T41522X4002-XXX	T41522X4003-XXX	T41522X4004-XXX	T41522X4005-XXX	T41522X4008-XXX
RATED VOLTAGE	250V			60V	30V
RATED IMPULSE VOLTAGE	2500V			1500V	800V
RATED CURRENT	4A				2A
POLLUTION DEGREE	3				
OVERVOLTAGE CATEGORY	II				
MATERIAL GROUP	II				
DEGREE OF PROTECTION	IP67				

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BLAZE PENG CHK KEVIN HUANG APVD CHRIS WANG	10APR2021 10APR2021 10APR2021	ENTRELEC Electrical Solutions		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±- 3 PLC ±- 4 PLC ±- ANGLES ±- FINISH		NAME M12 CABLE ASSEMBLY DOUBLE END UNSHIELDED		
		108-106140 114-137144		SIZE A200779	CAGE CODE C-1SET311C02R0000	RESTRICTED TO -
MATERIAL -		WEIGHT -		SCALE 1:1		
		CUSTOMER DRAWING		SHEET 4 OF 5		
				REV A		

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TE MATERIAL NO. - NUMERICAL CODE

T4152XX00XX-XXX

CATEGORY:
T41=M12X1
SENSOR/ACTUATOR

APPLICATION TYPE:
5=UNSHIELDED

SHAPE TYPE:
2=DOUBLE ENDED

CONNECTOR TYPE FOR SINGLE END:
1=PLUG MALE STRAIGHT
2=PLUG MALE R/A

CONNECTOR TYPE FOR DOUBLE END:
3=RECEPTACLE FEMALE STRAIGHT
4=RECEPTACLE FEMALE R/A

CABLE TYPE:SEE TABLE
1=PVC
2=PUR

POSITION:
02=2P
03=3P
04=4P
05=5P
08=8P

CABLE LENGTH:
STANDARD:
-001:0.5M
-002:1.0M
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-007:10.0M
CUSTOMIZATION:
-XXX:XX.XM(>1.0M)
E.G.: -155:15.5M
-200:20.0M
-99X: 0.XM(<1.0M)
E.G.: -992:0.2M
-998:0.8M

TE MATERIAL NO. - DESCRIPTION CODE

M12-XX-XP-M12-XX-PXX-**

CONNECTOR A:
M12X1 A-CODE
SENSOR/ACTUATOR

CONNECTOR TYPE:
MS=MALE STRAIGHT
MR=MALE RIGHT ANGLE

POSITION:
2P
3P
4P
5P
8P

CONNECTOR B:
M12X1 A-CODE
SENSOR/ACTUATOR

CONNECTOR TYPE:
FS=FEMALE STRAIGHT
FR=FEMALE RIGHT ANGLE

CABLE TYPE:
PVC
PUR

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,
...

CABLE INFORMATION

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	FIXED:TEMP.	FLEXIBLE:TEMP.
1	2/3/4/5	0.34mm ²	PVC BLACK	UL2464	-10°C~+80°C	-5°C~+80°C
1	8	0.25mm ²	PVC BLACK	UL2464	-10°C~+80°C	-5°C~+80°C
2	2/3/4/5	0.34mm ²	PUR GREY	UL20549	-40°C~+80°C	-25°C~+80°C
2	8	0.25mm ²	PUR GREY	UL20549	-40°C~+80°C	-25°C~+80°C

CABLE LENGTH TOLERANCE

OVER	UP TO AND INCLUDING	TOLERANCES
0	1000mm	±30mm
1000mm	4000mm	±50mm
4000mm	5000mm	±60mm
5000mm	10000mm	±80mm
10000mm	>	±1.5% OF CABLE LENGTH

NOTE :

1. CODE POSITION INDICATOR

2. RECOMMENDED TORQUE 0.6 Nm

3. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

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

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

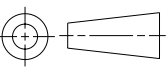
PART LIST

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M12-MS-5P-M12-FS-PUR-3.0	T4152123005-004	1SET313178R0000
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M12-MS-5P-M12-FR-PUR-5.0	T4152124005-005	1SET313214R0000
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M12-MR-4P-M12-FR-PUR-1.0	T4152224004-002	1SET313344R0000
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M12-MR-4P-M12-FR-PUR-5.0	T4152224004-005	1SET313347R0000
M12-MR-5P-M12-FR-PUR-1.0	T4152224005-002	1SET313351R0000
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M12-MR-5P-M12-FR-PUR-5.0	T4152224005-005	1SET313354R0000
PRODUCT TYPE		ENTELEC PN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
BLAZE PENG
CHK
KEVIN HUANG
APVD
CHRIS WANG

DIMENSIONS:
mm



MATERIAL
-

FINISH
-

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

DWG NO
10APR2021
10APR2021
10APR2021
PRODUCT SPEC
108-106140
APPLICATION SPEC
114-137144
WEIGHT
-

NAME
M12 CABLE ASSEMBLY DOUBLE END UNSHIELDED

SIZE
A200779

CAGE CODE
C-1SET311C02R0000

DRAWING NO
114-137144

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
1:1

SHEET
5 OF 5

REV
A

1471-9 (3/13)