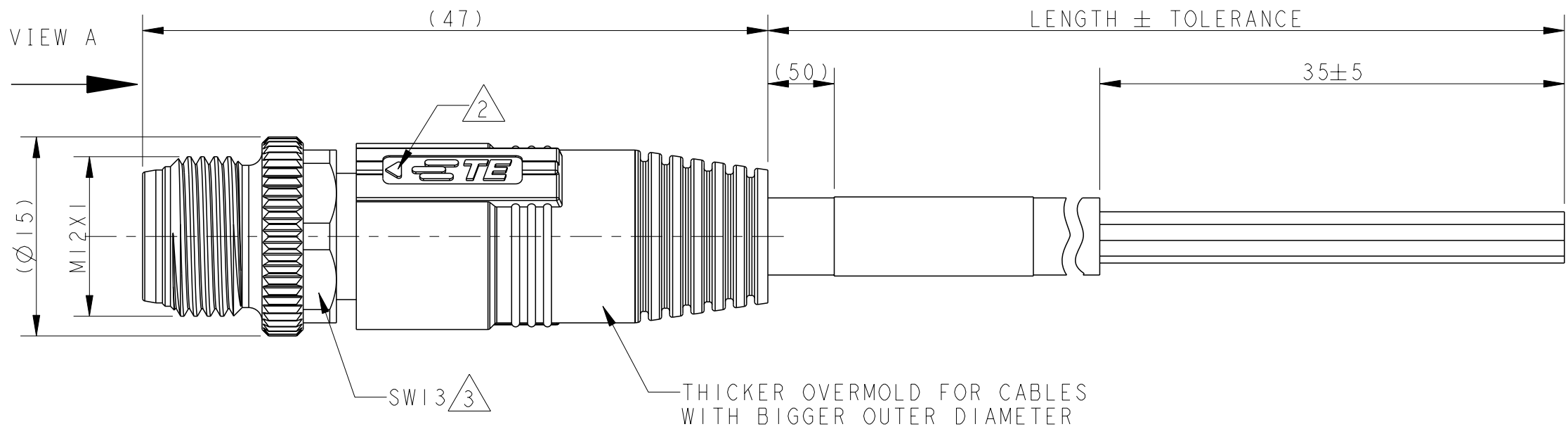
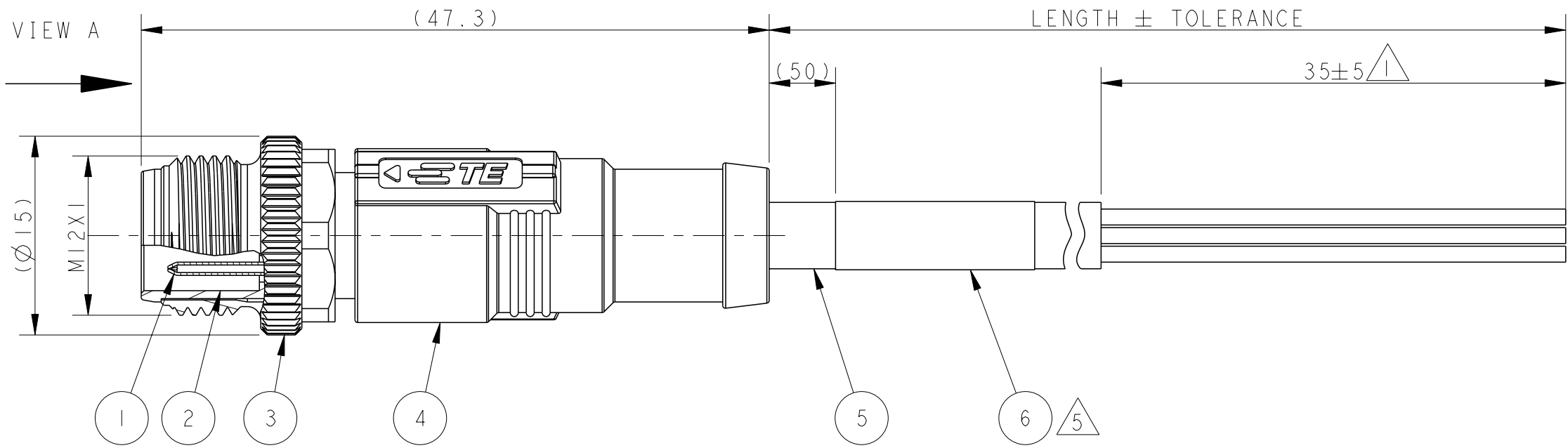
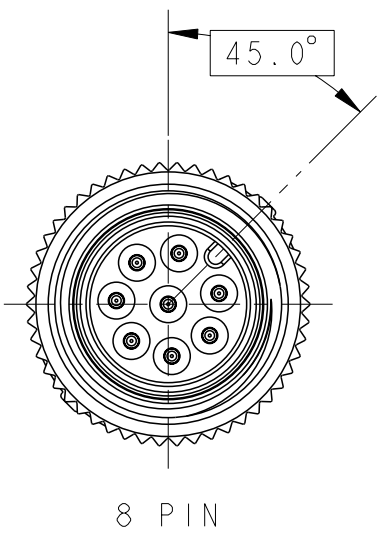
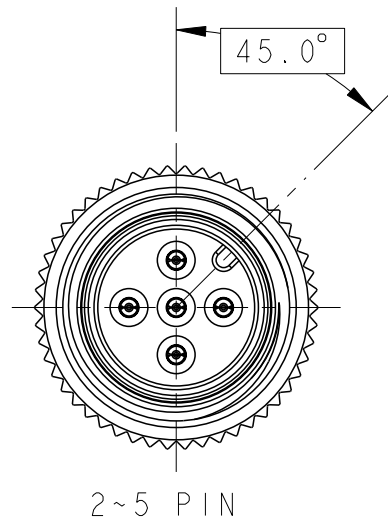
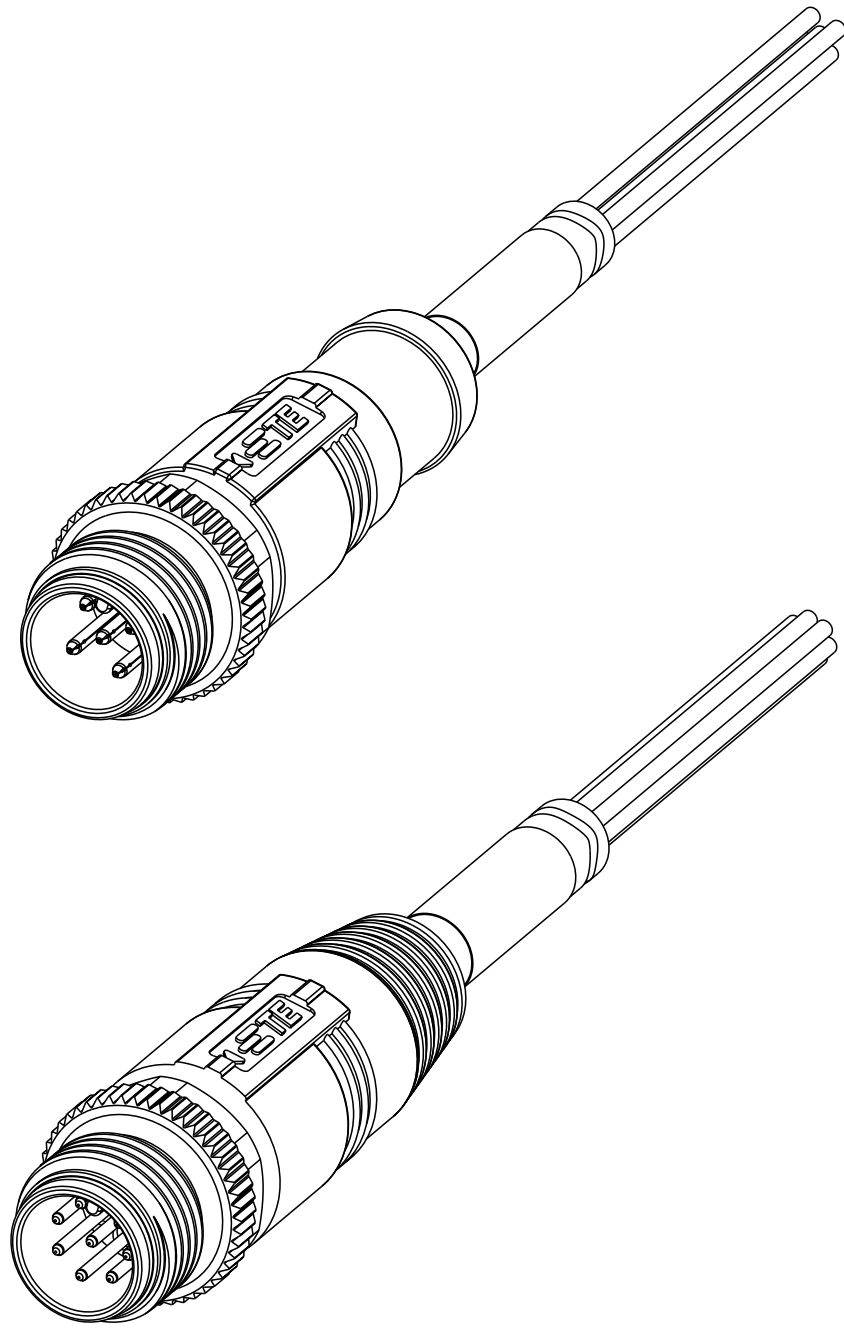


(T41511*) M12 STRAIGHT MALE SINGLE ENDED CABLE ASSEMBLY (Unshielded)

ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	FLASH GOLD
2	HOUSING	NYLON	BLACK
3	COUPLING NUT	COPPER ALLOY	-
4	OVER-MOLDING	POLYURETHANE	BLUE
5	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
6	LABEL	-	-



PN	T41511X0002-XXX	T41511X0003-XXX	T41511X0004-XXX	T41511X0005-XXX	T41511X0008-XXX
VIEW A					
WIRING DIAGRAM	PIN	PIN	PIN	PIN	PIN
	WIRE	WIRE	WIRE	WIRE	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
STANDARD					6 PINK
					7 BLUE
					8 RED

CODING REQUIRED TO IEC 61076-2-101

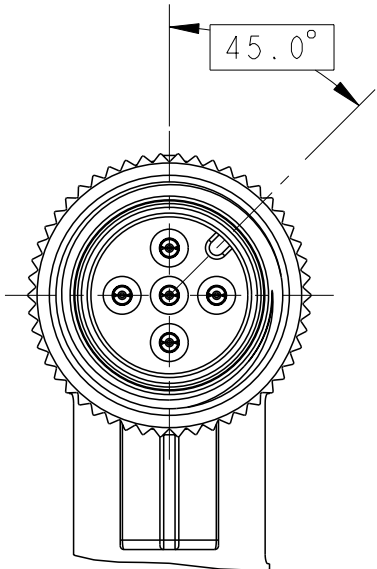
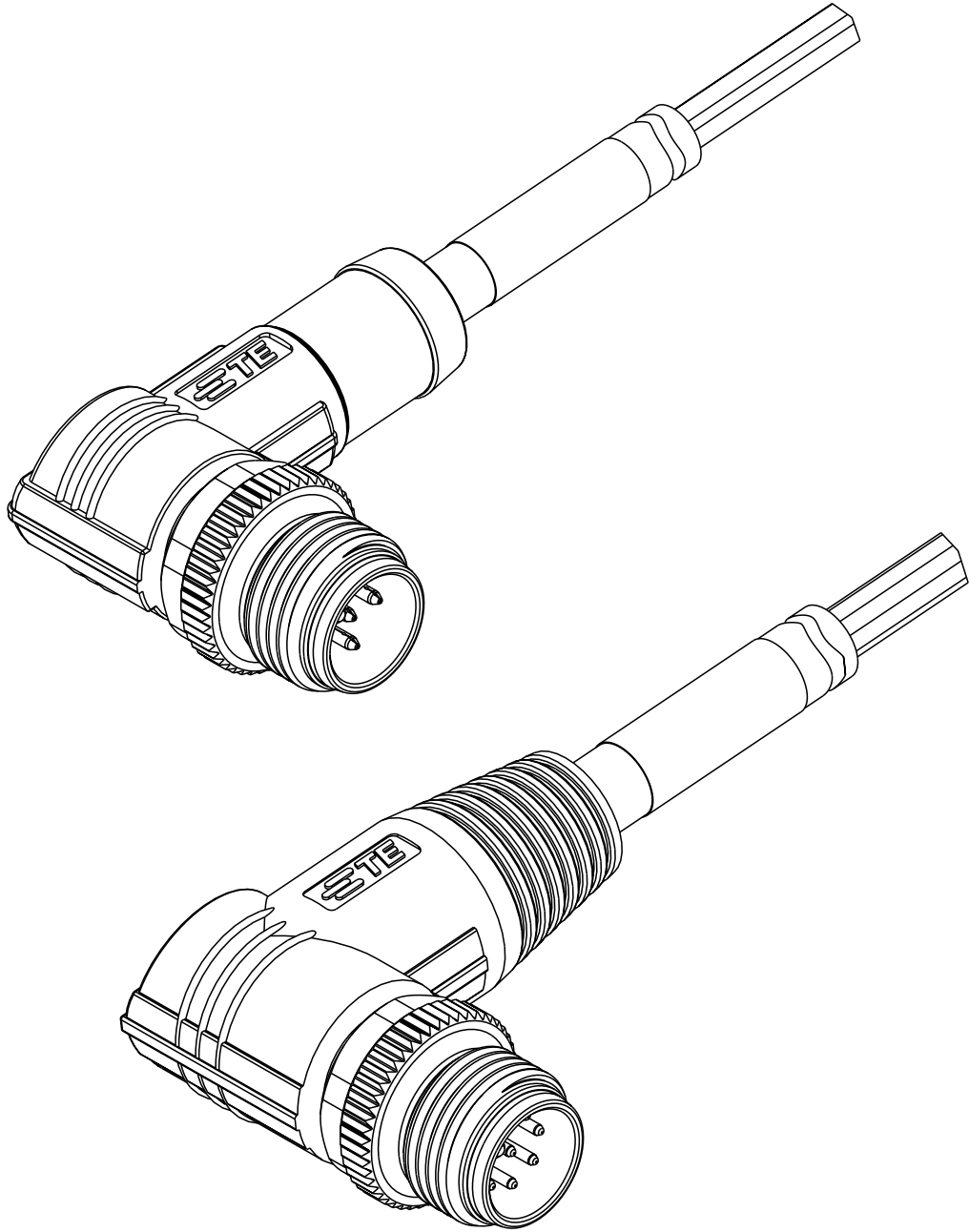
TECHNICAL DATA

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		

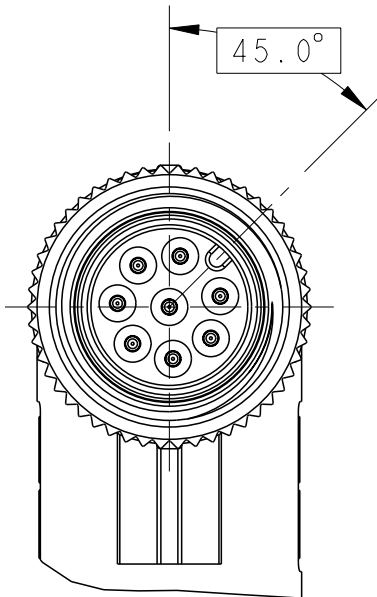
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BLAZE PENG CHK KEVIN HUANG APVD CHRIS WANG	10APR2021 10APR2021 10APR2021	ENTRELEC Electrical Solutions		
DIMENSIONS: mm		PRODUCT SPEC 108-106140		NAME M12 CABLE ASSEMBLY SINGLE END UNSHIELDED		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH		APPLICATION SPEC 114-137144		SIZE A200779	CAGE CODE C-1SET311C01R0000	RESTRICTED TO
MATERIAL -		WEIGHT -		DRAWING NO A200779C-1SET311C01R0000		
		CUSTOMER DRAWING		SCALE 1:1	SHEET 1 OF 5	REV A

(T41512*) M12 RIGHT ANGLE MALE SINGLE ENDED CABLE ASSEMBLY (Unshielded)

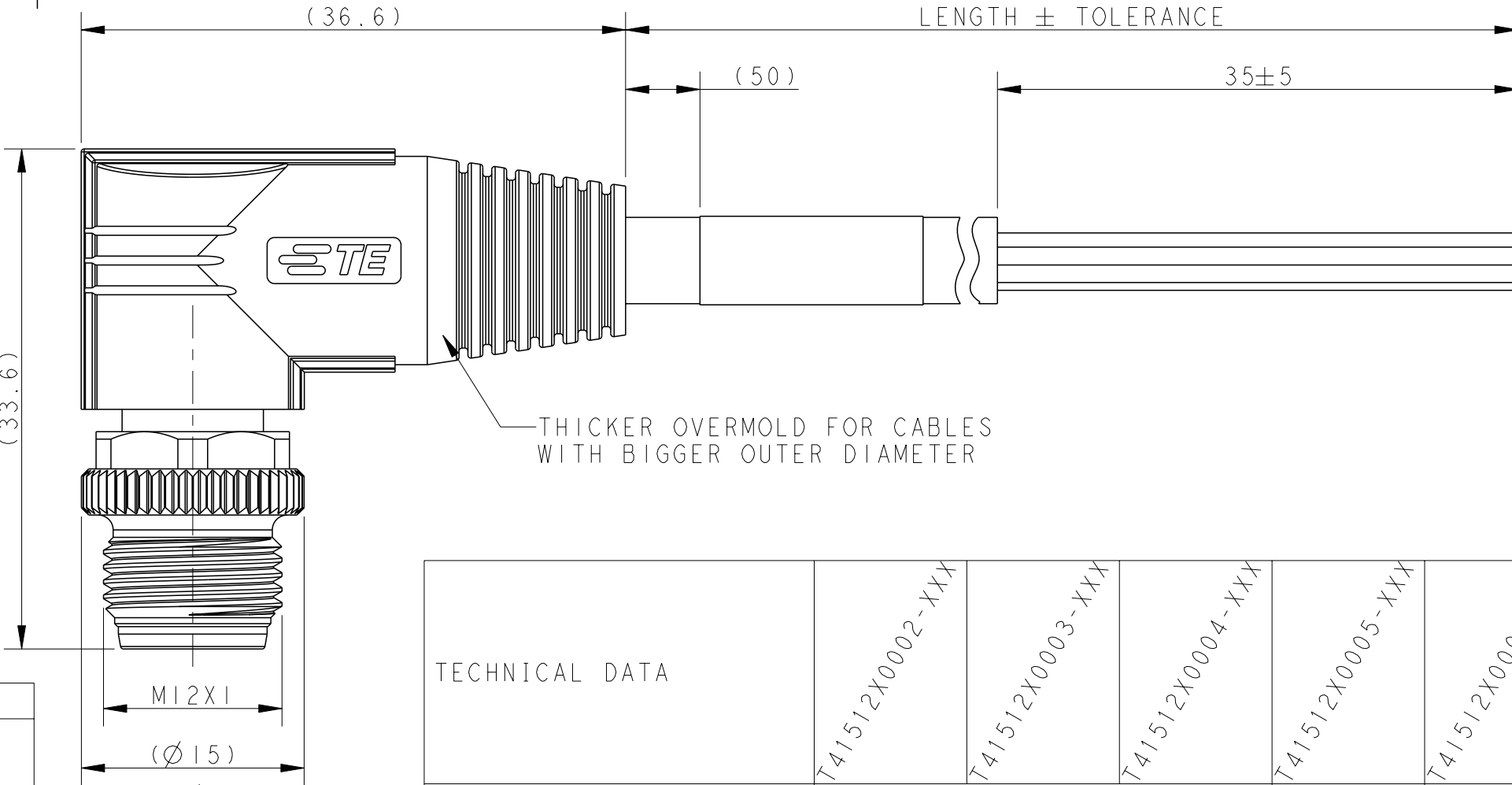
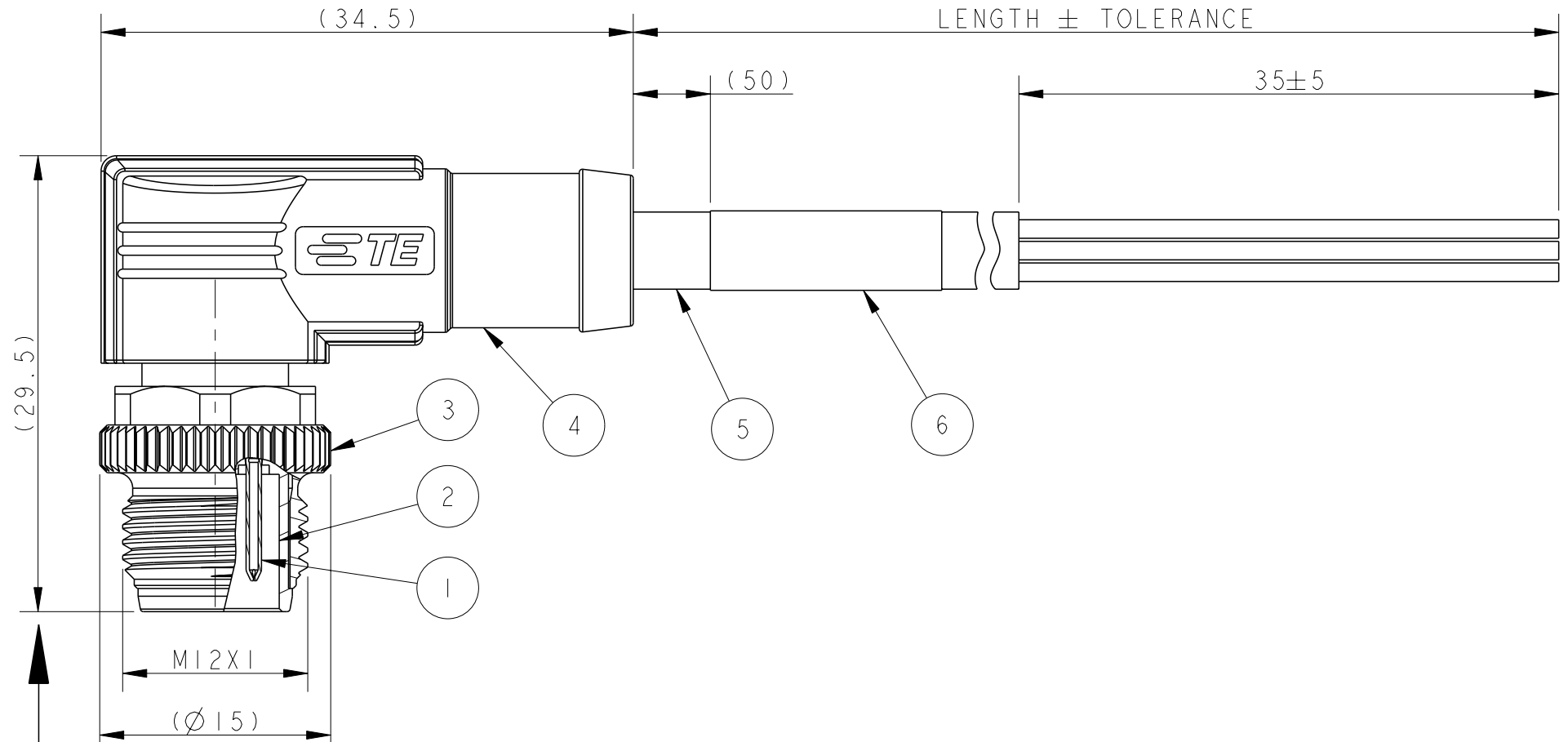
ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	FLASH GOLD
2	HOUSING	NYLON	BLACK
3	COUPLING NUT	COPPER ALLOY	-
4	OVER-MOLDING	POLYURETHANE	BLUE
5	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
6	LABEL	-	-



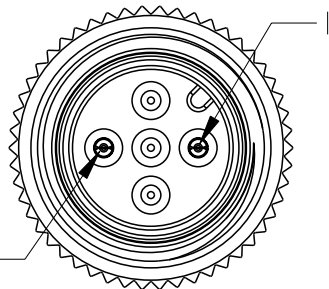
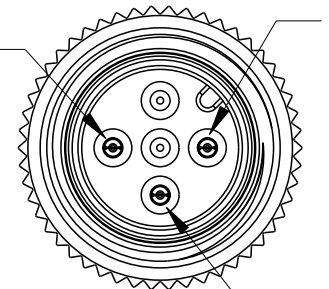
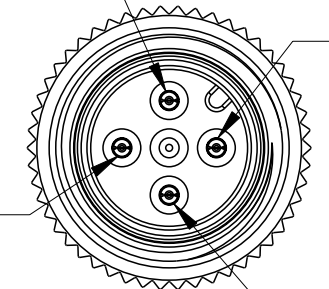
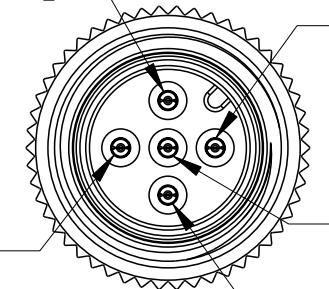
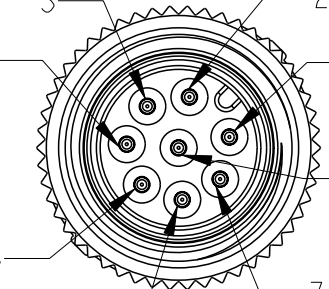
2~5 PIN



8 PIN



TECHNICAL DATA	T41512X0002-XXX	T41512X0003-XXX	T41512X0004-XXX	T41512X0005-XXX	T41512X0008-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				

PN	T41512X0002-XXX	T41512X0003-XXX	T41512X0004-XXX	T41512X0005-XXX	T41512X0008-XXX					
VIEW A										
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									

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN
BLAZE PENG
CHK
KEVIN HUANG
APVD
CHRIS WANG

10APR2021
10APR2021
10APR2021

PRODUCT SPEC
108-106140
APPLICATION SPEC
114-137144
WEIGHT
-

CUSTOMER DRAWING

ENTRELEC
Electrical Solutions

NAME
M12 CABLE ASSEMBLY SINGLE END UNSHIELDED

SIZE
A200779

CAGE CODE
C-1

DRAWING NO
ISET311C01R0000

RESTRICTED TO

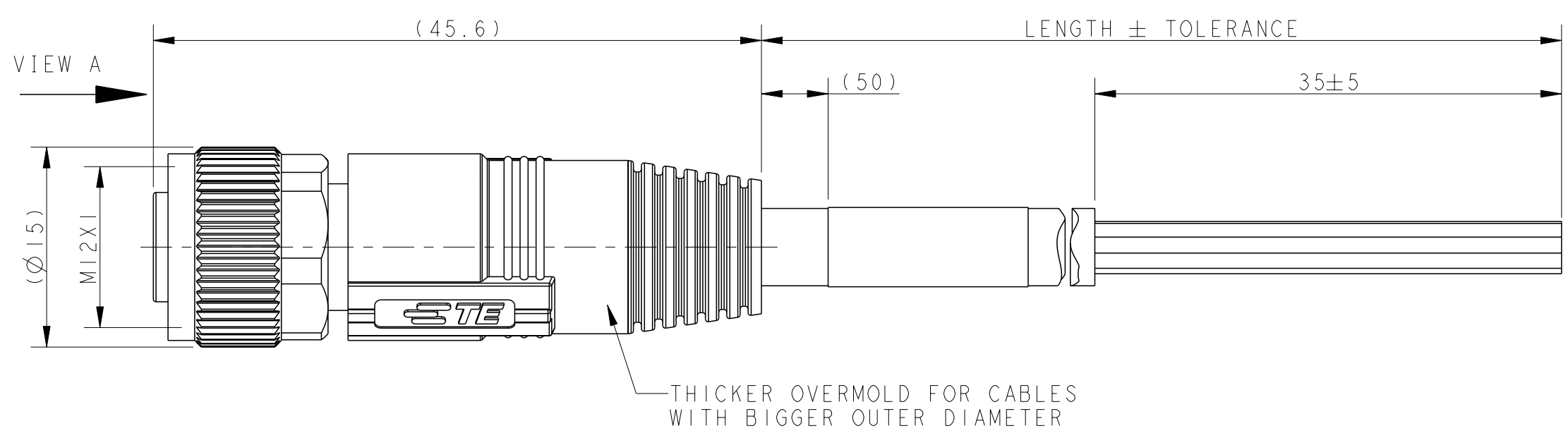
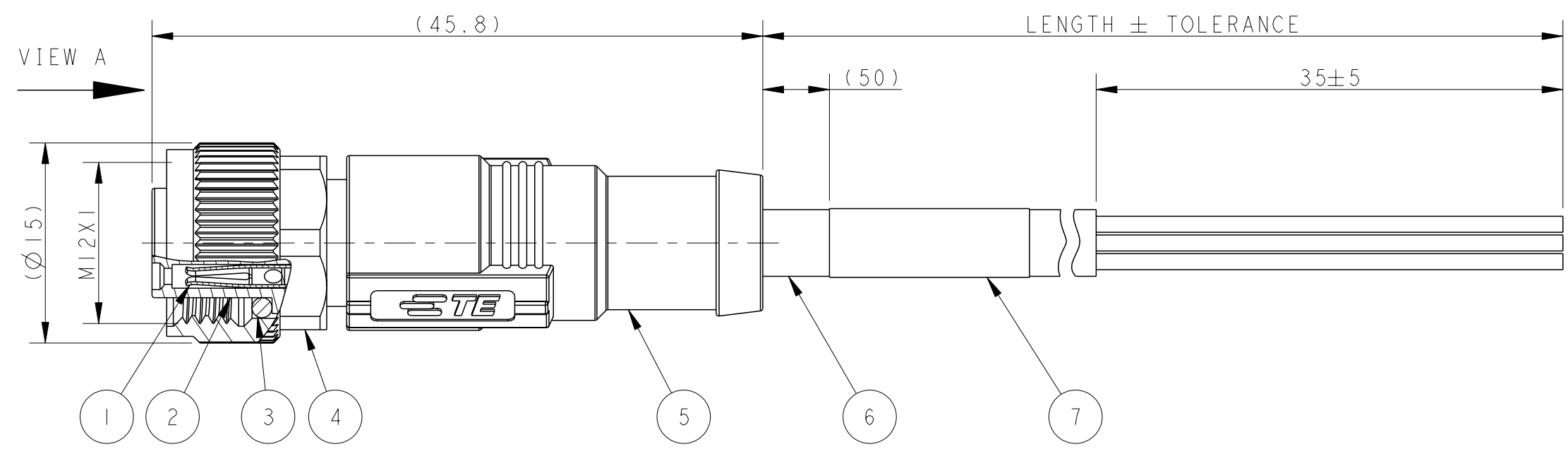
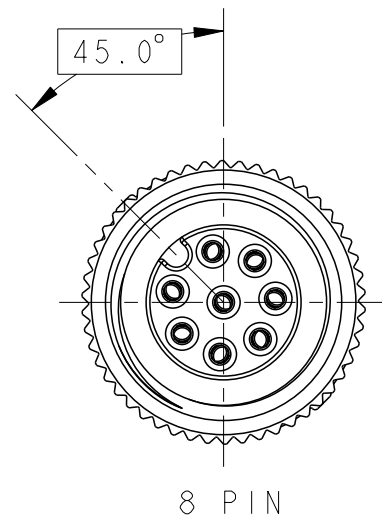
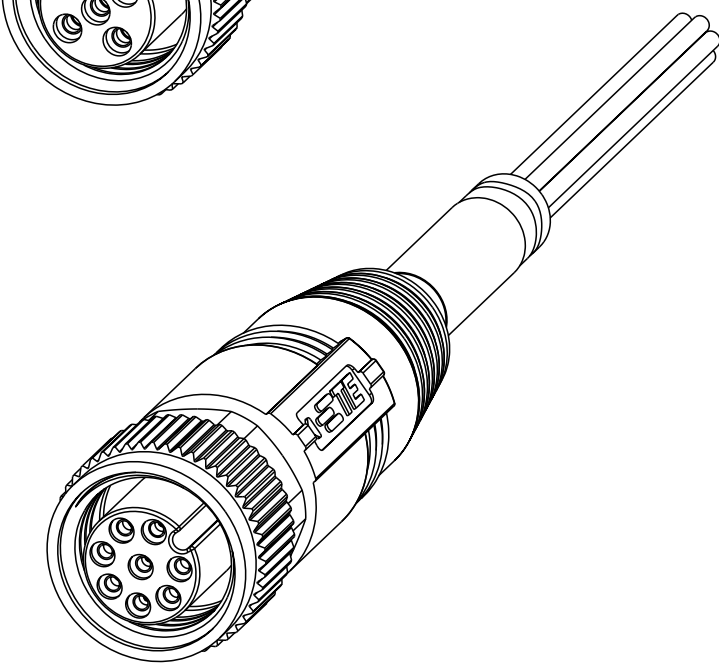
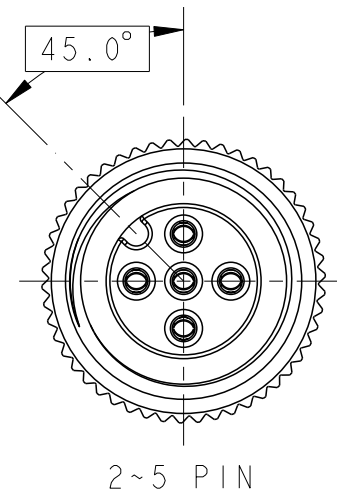
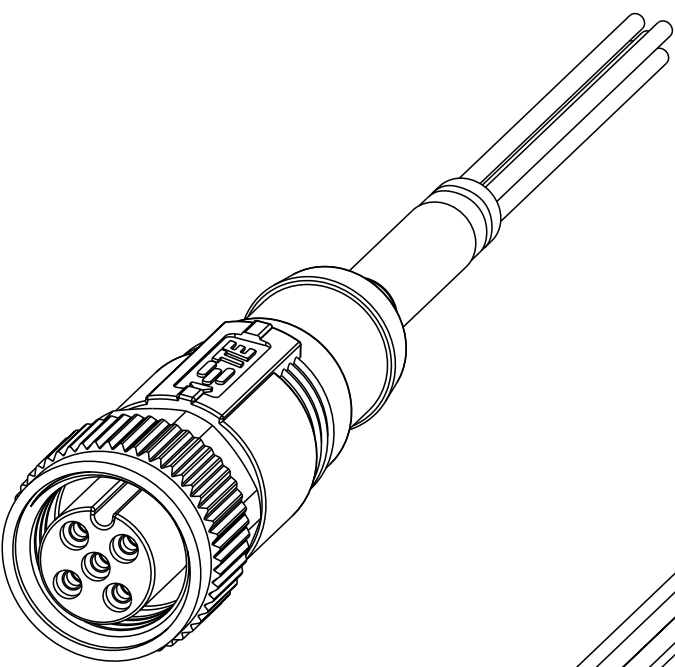
SCALE
1:1

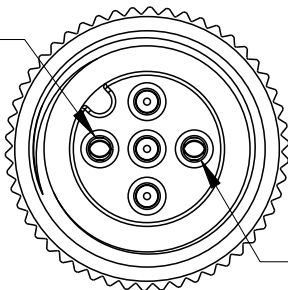
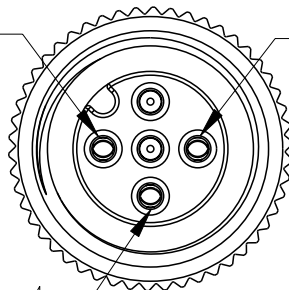
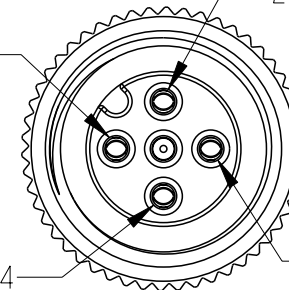
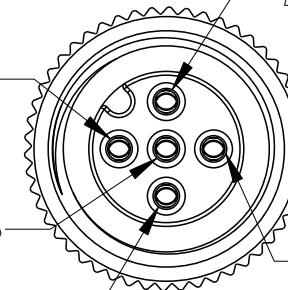
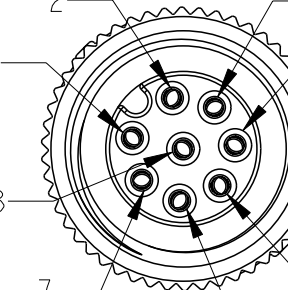
SHEET
2 OF 5

REV
A

(T41513*) M12 STRAIGHT FEMALE SINGLE ENDED CABLE ASSEMBLY (Unshielded)

ITEM	DESCRIPTION	MATERIAL	OTHERS
1	FEMALE CONTACT	COPPER ALLOY	FLASH GOLD
2	HOUSING	NYLON	BLACK
3	O-RING	SILICON	GRAY
4	COUPLING NUT	COPPER ALLOY	-
5	OVER-MOLDING	POLYURETHANE	BLUE
6	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
7	LABEL	-	-



PN	T41513X0002-XXX	T41513X0003-XXX	T41513X0004-XXX	T41513X0005-XXX	T41513X0008-XXX					
VIEW A										
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									

TECHNICAL DATA	T41513X0002-XXX	T41513X0003-XXX	T41513X0004-XXX	T41513X0005-XXX	T41513X0008-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.

DIMENSIONS:
mm

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN
BLAZE PENG
CHK
KEVIN HUANG
APVD
CHRIS WANG

10APR2021
10APR2021
10APR2021

PRODUCT SPEC
108-106140
APPLICATION SPEC
114-137144
WEIGHT
-

CUSTOMER DRAWING

ENTRELEC
Electrical Solutions

NAME
M12 CABLE ASSEMBLY SINGLE END UNSHIELDED

SIZE
A200779

CAGE CODE
C-1

DRAWING NO
ISET311C01R0000

RESTRICTED TO

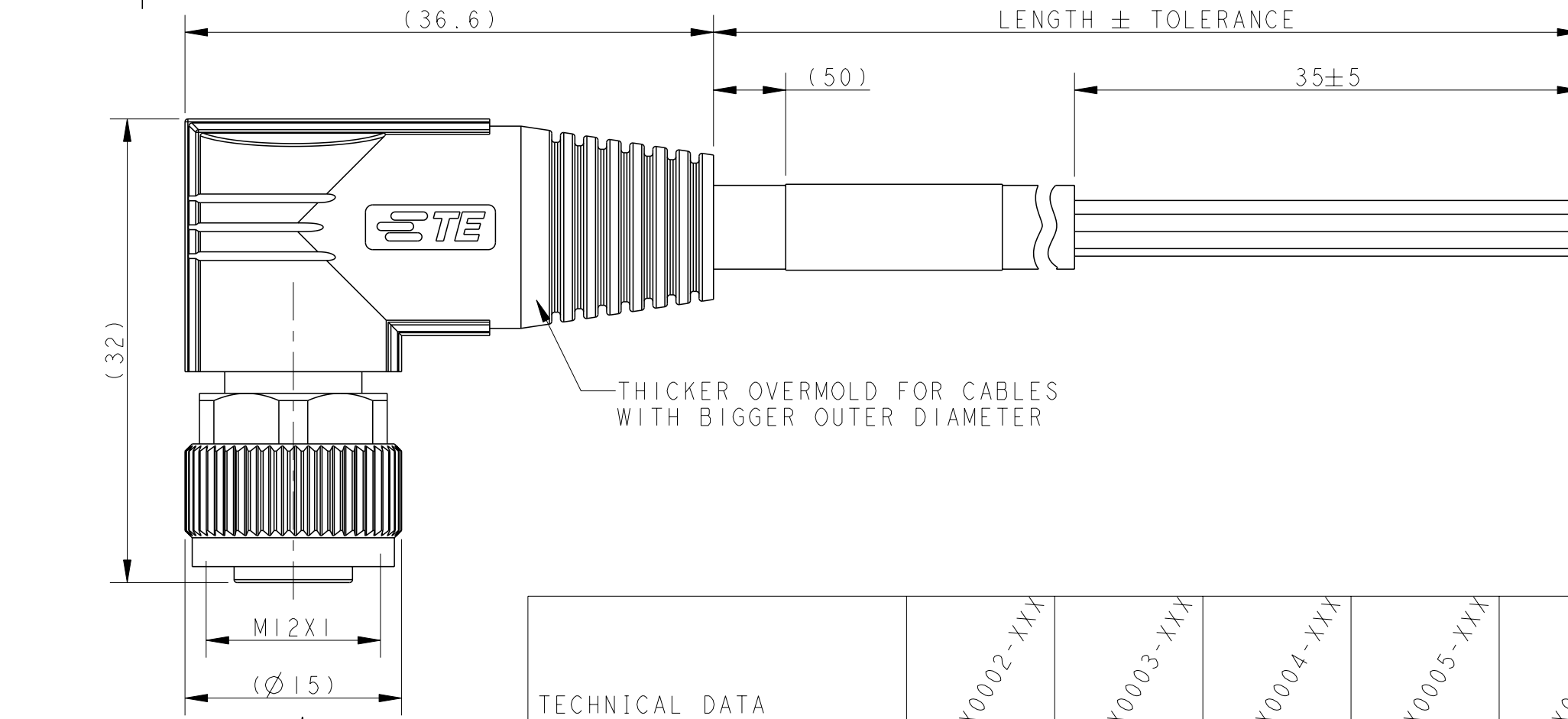
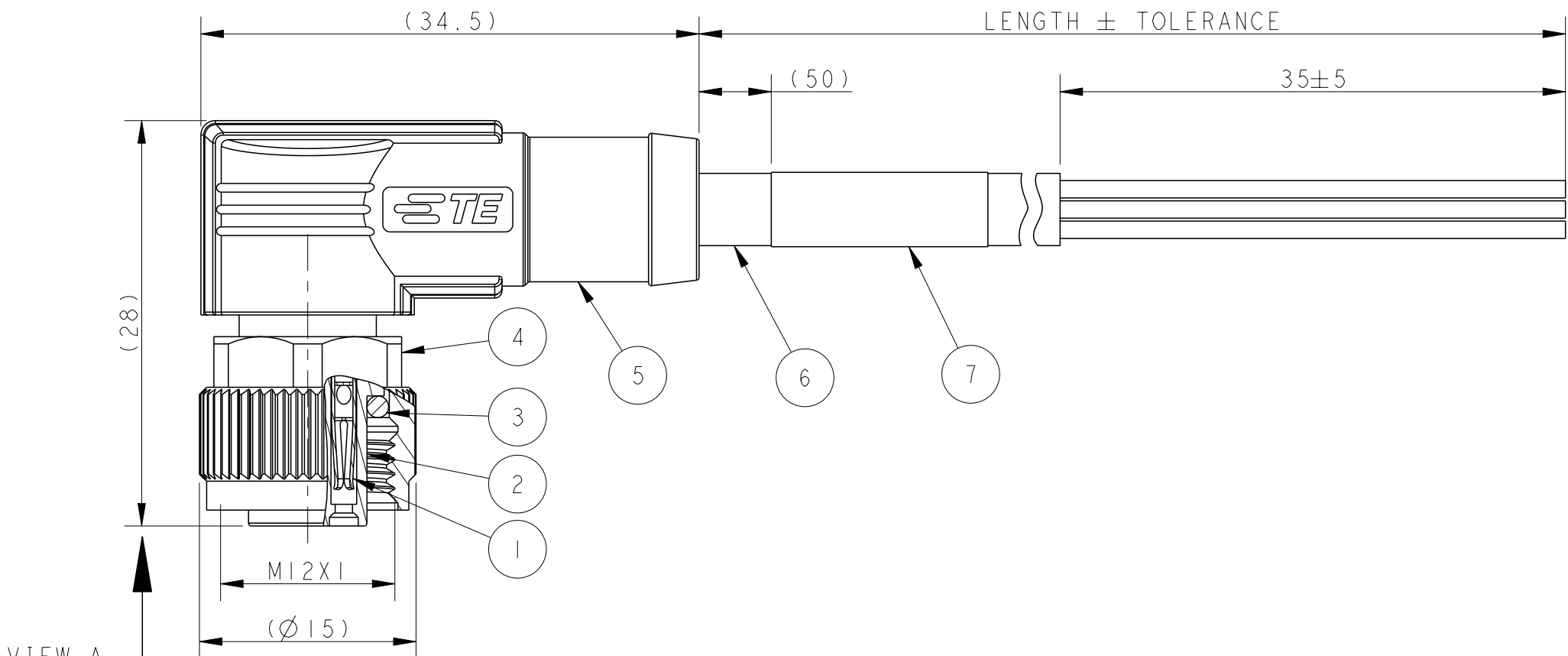
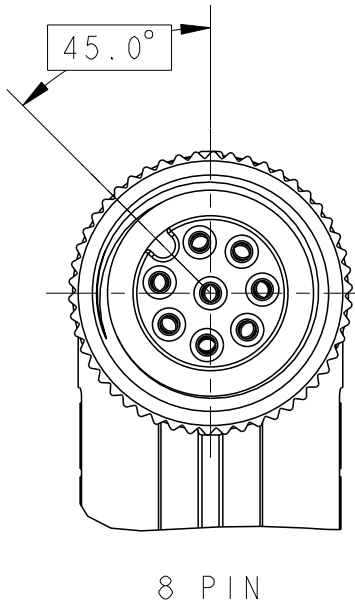
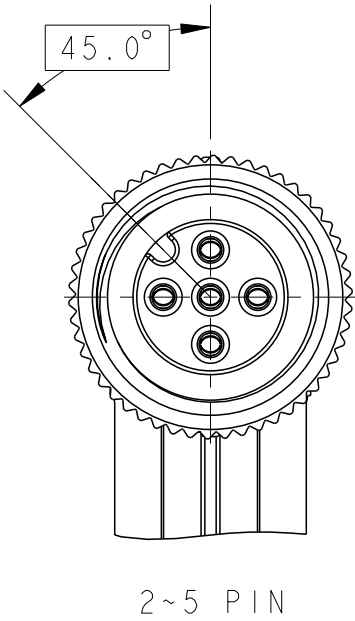
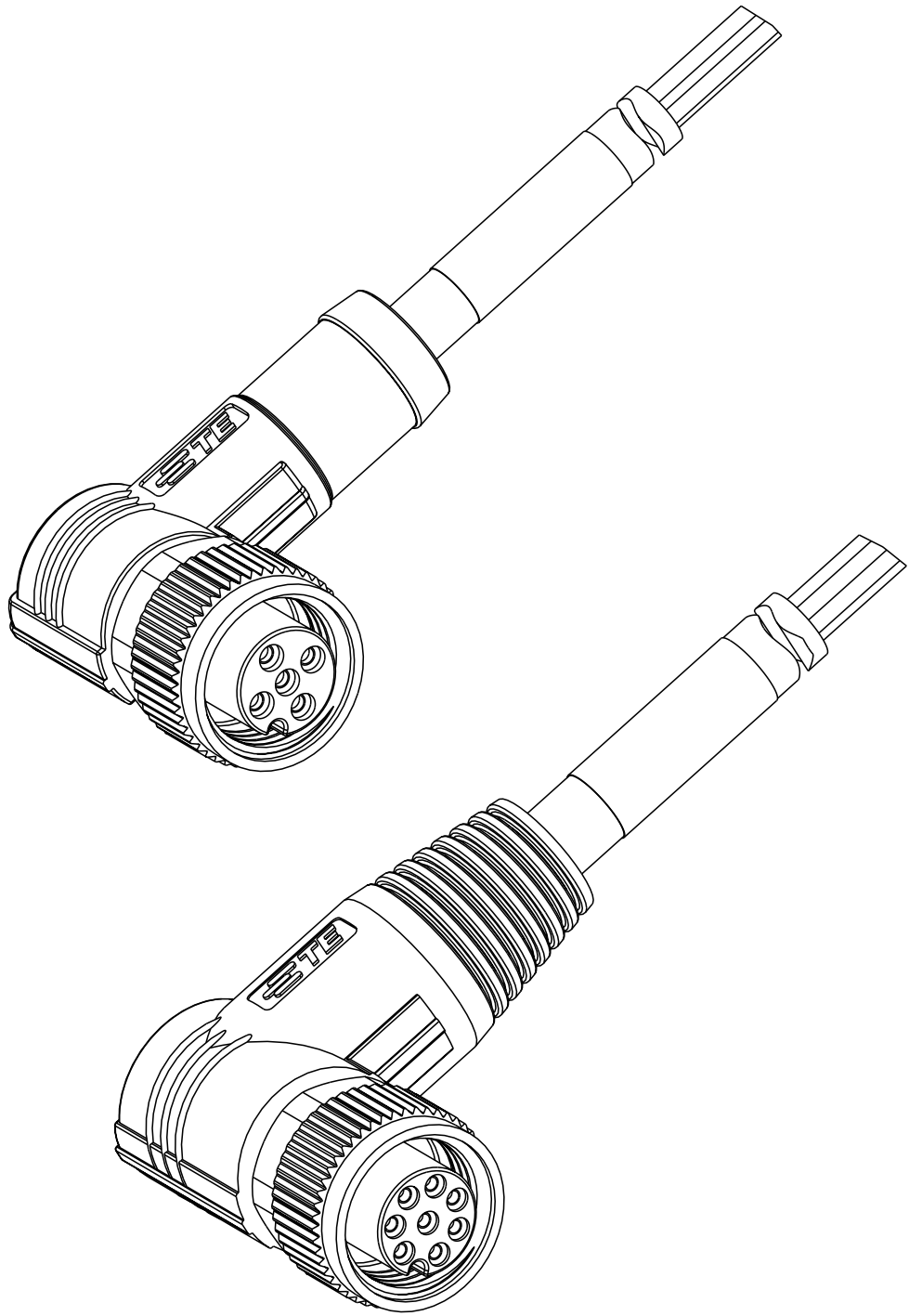
SCALE
1:1

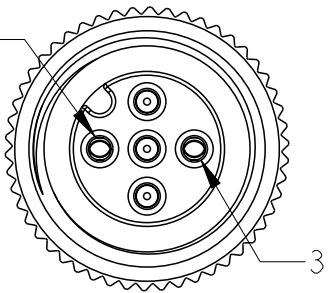
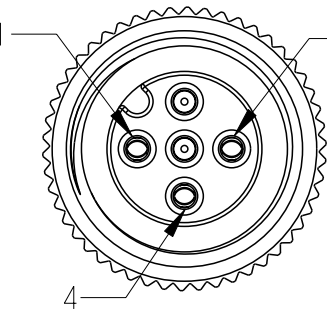
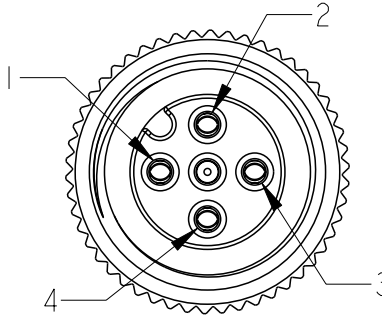
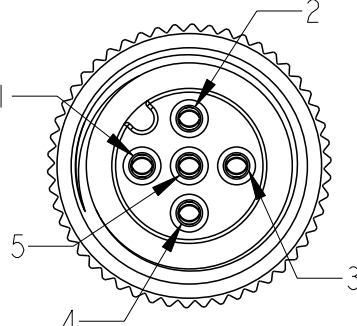
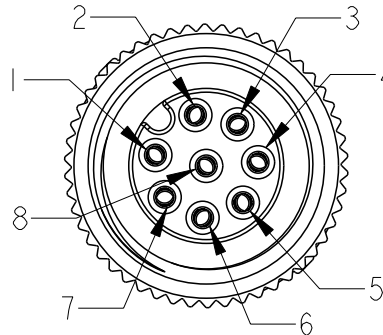
SHEET
3 OF 5

REV
A

(T41514*) M12 RIGHT ANGLE FEMALE SINGLE ENDED CABLE ASSEMBLY (Unshielded)

ITEM	DESCRIPTION	MATERIAL	OTHERS
1	FEMALE CONTACT	COPPER ALLOY	FLASH GOLD
2	HOUSING	NYLON	BLACK
3	O-RING	SILICON	GRAY
4	COUPLING NUT	COPPER ALLOY	-
5	OVER-MOLDING	POLYURETHANE	BLUE
6	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
7	LABEL	-	-



PN	T41514X0002-XXX		T41514X0003-XXX		T41514X0004-XXX		T41514X0005-XXX		T41514X0008-XXX	
VIEW A										
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
STANDARD									8	RED
CODING REQUIRED TO IEC 61076-2-101										

CODING REQUIRED TO IEC 61076-2-101

TECHNICAL DATA	T41514X0002-XXX	T41514X0003-XXX	T41514X0004-XXX	T41514X0005-XXX	T41514X0008-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.

DIMENSIONS:
mm

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN: BLAZE PENG 10APR2021
CHK: KEVIN HUANG 10APR2021
APVD: CHRIS WANG 10APR2021

PRODUCT SPEC
108-106140
APPLICATION SPEC
114-137144
WEIGHT
-

CUSTOMER DRAWING

ENTRELEC
Electrical Solutions

NAME: M12 CABLE ASSEMBLY SINGLE END UNSHIELDED

SIZE: A200779 CAGE CODE: C-1 ISET311C01R0000

DRAWING NO: 108-106140

RESTRICTED TO: A

SCALE: 1:1

SHEET: 4 OF 5

REV: A

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TE MATERIAL NO. - NUMERICAL CODE

T4151XX00XX-XXX

CATEGORY:
T41=M12XI
SENSOR/ACTUATOR

APPLICATION TYPE:
5=UNSHIELDED

SHAPE TYPE:
1=SINGLE ENDED

CONNECTOR TYPE FOR SINGLE END:
1=PLUG MALE STRAIGHT
2=PLUG MALE R/A
3=RECEPTACLE FEMALE STRAIGHT
4=RECEPTACLE FEMALE R/A

CONNECTOR TYPE FOR DOUBLE END:
0=NA

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-PXX-**

CATEGORY:
M12XI A-CODE
SENSOR/ACTUATOR

CONNECTOR TYPE:
MS=MALE STRAIGHT
MR=MALE RIGHT ANGLE
FS=FEMALE STRAIGHT
FR=FEMALE RIGHT ANGLE

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

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. STRIP ALL THE INSULATION

2. CODE POSITION INDICATOR

3. RECOMMENDED TORQUE 0.6 Nm

4. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

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

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

PART LIST

M12-MS-4P-PUR-1.0	T4151120004-002	1SET312850R0000
M12-MS-4P-PUR-3.0	T4151120004-004	1SET312852R0000
M12-MS-4P-PUR-5.0	T4151120004-005	1SET312853R0000
M12-MS-5P-PUR-1.0	T4151120005-002	1SET312857R0000
M12-MS-5P-PUR-3.0	T4151120005-004	1SET312859R0000
M12-MS-5P-PUR-5.0	T4151120005-005	1SET312860R0000
M12-MS-8P-PUR-1.0	T4151120008-002	1SET312864R0000
M12-MS-8P-PUR-3.0	T4151120008-004	1SET312866R0000
M12-MS-8P-PUR-5.0	T4151120008-005	1SET312867R0000
M12-MR-4P-PUR-1.0	T4151220004-002	1SET312920R0000
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M12-FS-8P-PUR-1.0	T4151320008-002	1SET313004R0000
M12-FS-8P-PUR-3.0	T4151320008-004	1SET313006R0000
M12-FS-8P-PUR-5.0	T4151320008-005	1SET313007R0000
M12-FR-4P-PUR-1.0	T4151420004-002	1SET313060R0000
M12-FR-4P-PUR-3.0	T4151420004-004	1SET313062R0000
M12-FR-4P-PUR-5.0	T4151420004-005	1SET313063R0000
M12-FR-5P-PUR-1.0	T4151420005-002	1SET313067R0000
M12-FR-5P-PUR-3.0	T4151420005-004	1SET313069R0000
M12-FR-5P-PUR-5.0	T4151420005-005	1SET313070R0000
M12-FR-8P-PUR-1.0	T4151420008-002	1SET313074R0000
M12-FR-8P-PUR-3.0	T4151420008-004	1SET313076R0000
M12-FR-8P-PUR-5.0	T4151420008-005	1SET313077R0000
PRODUCT TYPE	TE PN	ENTRELEC PN

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: BLAZE PENG 10APR2021

CHK: KEVIN HUANG 10APR2021

APVD: CHRIS WANG 10APR2021

PRODUCT SPEC 108-106140

APPLICATION SPEC 114-137144

WEIGHT -

CUSTOMER DRAWING

ENTRELEC
Electrical Solutions

NAME: M12 CABLE ASSEMBLY SINGLE END UNSHIELDED

SIZE: A2 CAGE CODE: 00779 C=1SET311C01R0000

DRAWING NO: ISET311C01R0000

RESTRICTED TO: A

SCALE: 1:1 SHEET: 5 OF 5 REV: A

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