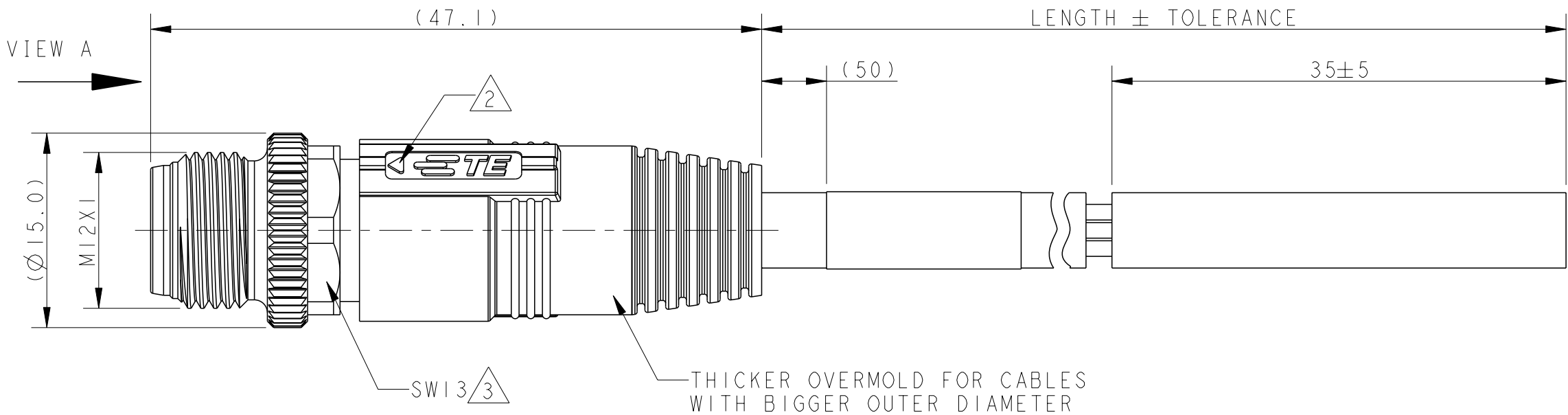
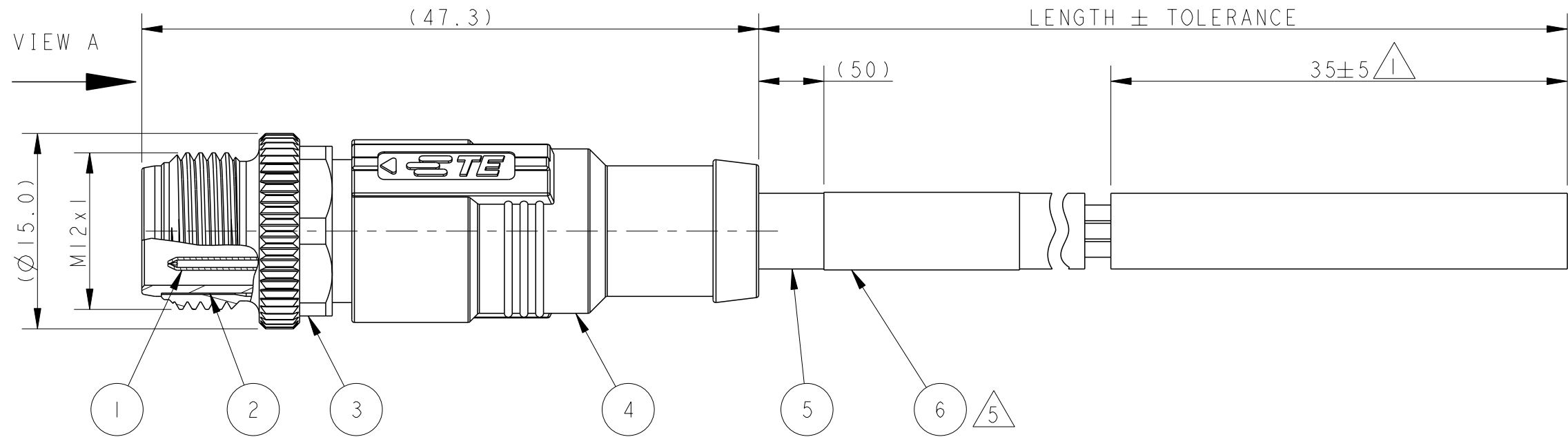
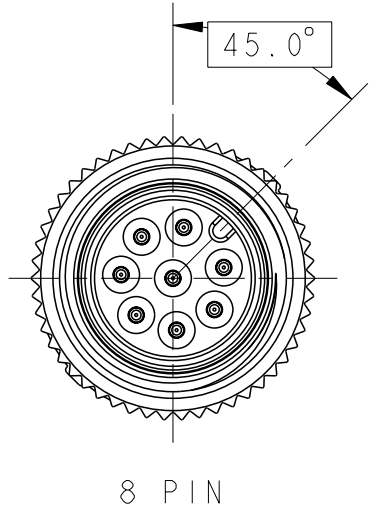
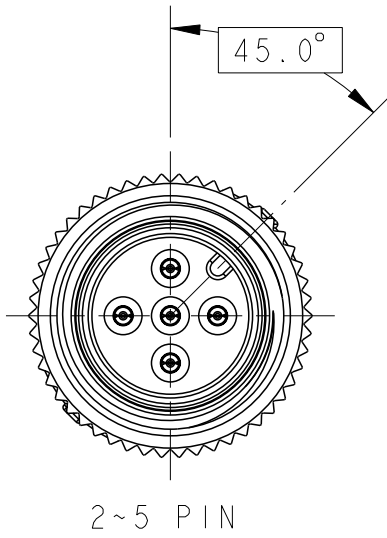
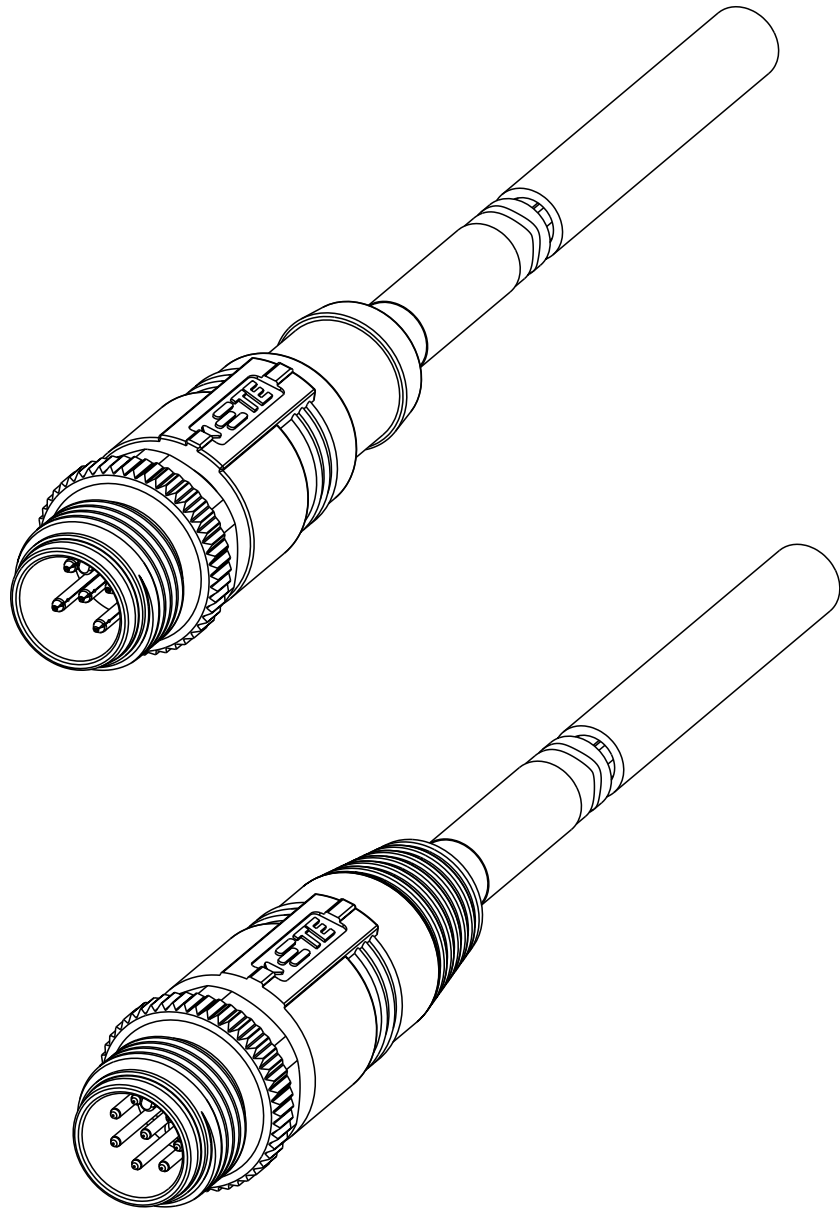


(T41611*) M12 STRAIGHT MALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

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	T41611X0002-XXX	T41611X0003-XXX	T41611X0004-XXX	T41611X0005-XXX	T41611X0008-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	T41611X0002-XXX	T41611X0003-XXX	T41611X0004-XXX	T41611X0005-XXX	T41611X0008-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 SHIELDED

SIZE
A200779

CAGE CODE
C-1

DRAWING NO
ISET311C03R0000

RESTRICTED TO
-

SCALE
1:1

SHEET
1

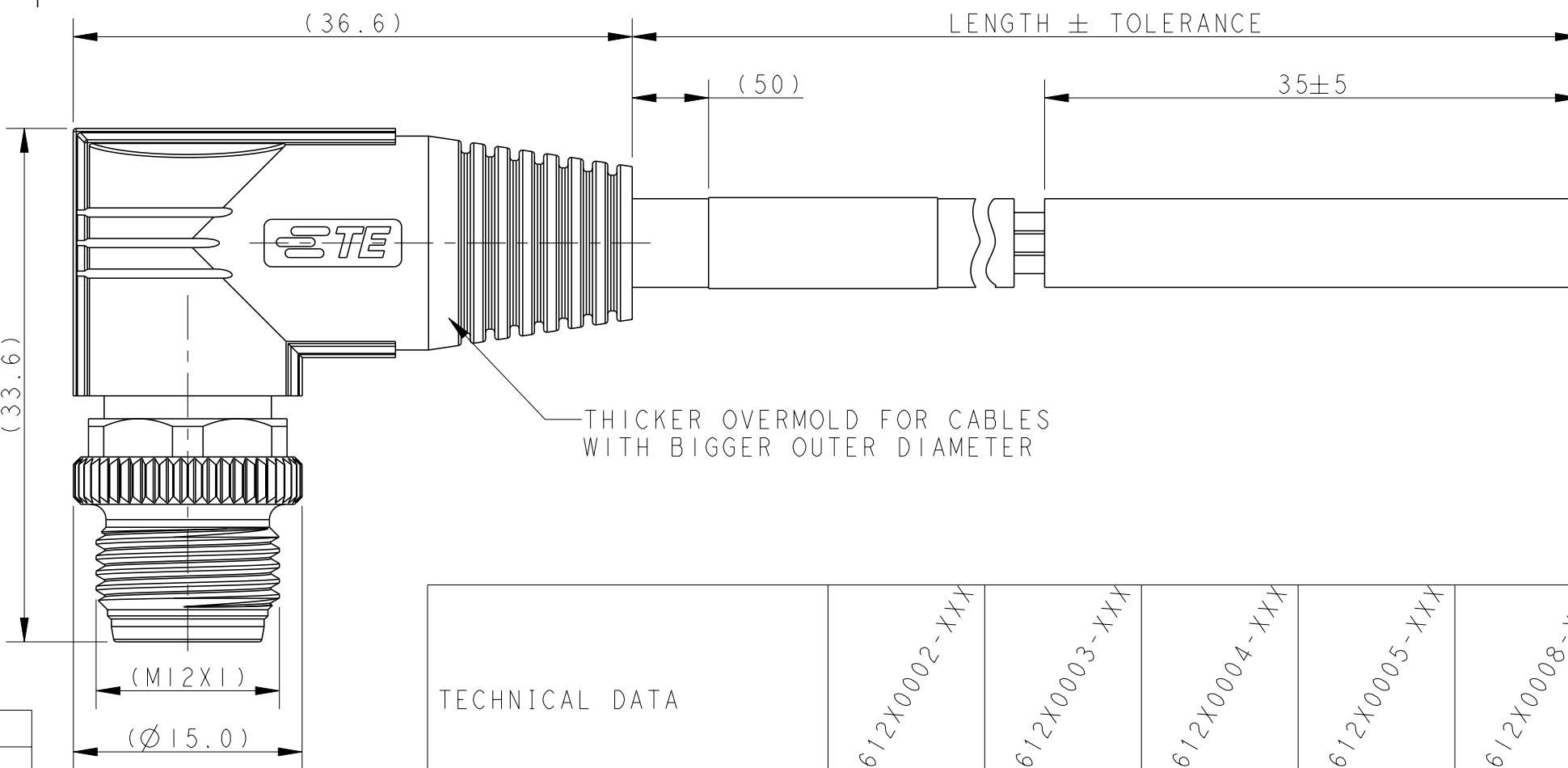
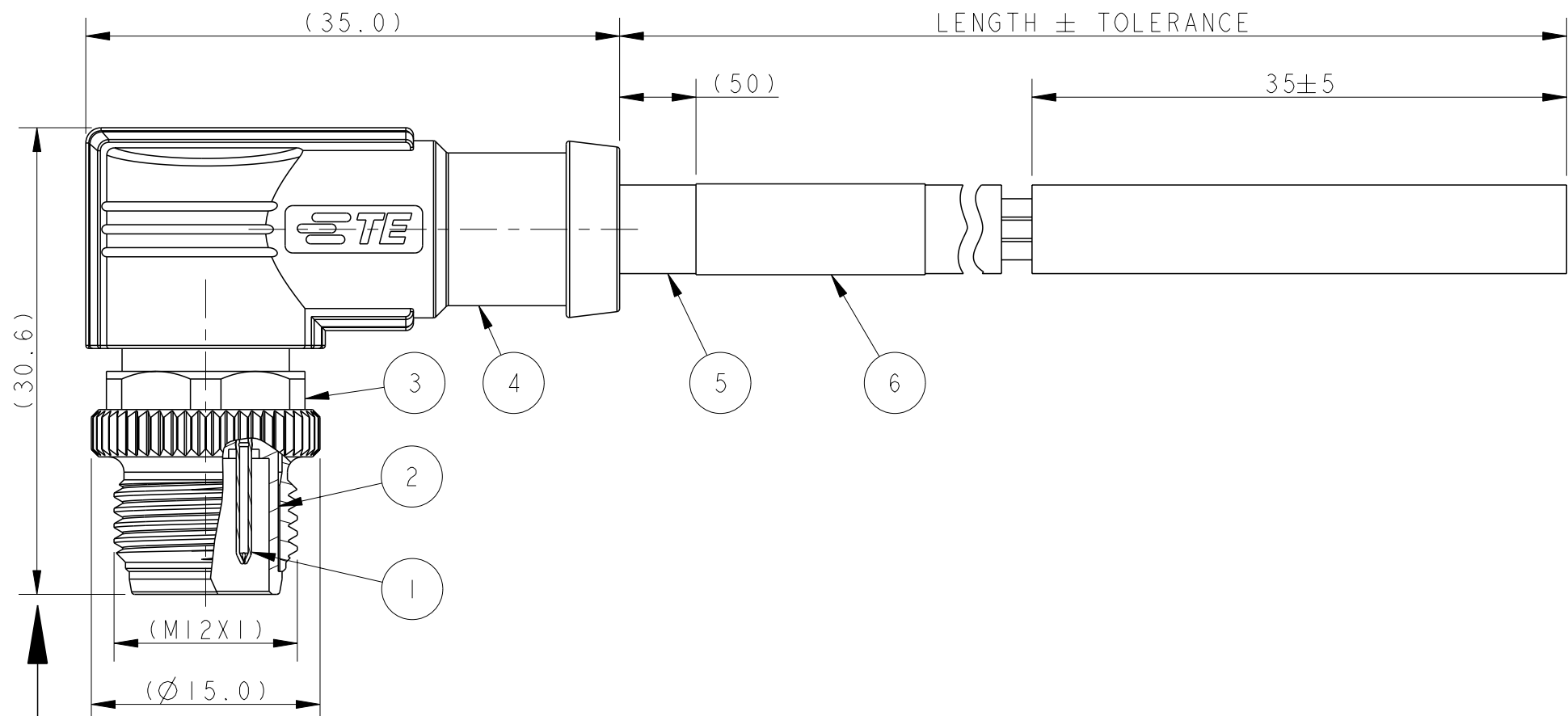
OF
5

REV
A

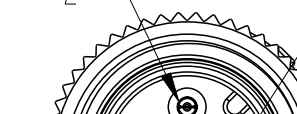
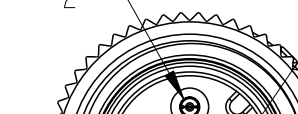
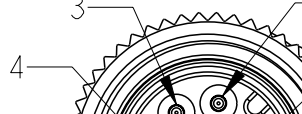
(T41612*) M12 RIGHT ANGLE MALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

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	-	-

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	24APR2021	BP	CW



TECHNICAL DATA	T41612X0002-XXX	T41612X0003-XXX	T41612X0004-XXX	T41612X0005-XXX	T41612X0008-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	T41612X0002-XXX	T41612X0003-XXX	T41612X0004-XXX	T41612X0005-XXX	T41612X0008-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 SHIELDED

SIZE
A200779

CAGE CODE
C-1

DRAWING NO
ISET311C03R0000

RESTRICTED TO
-

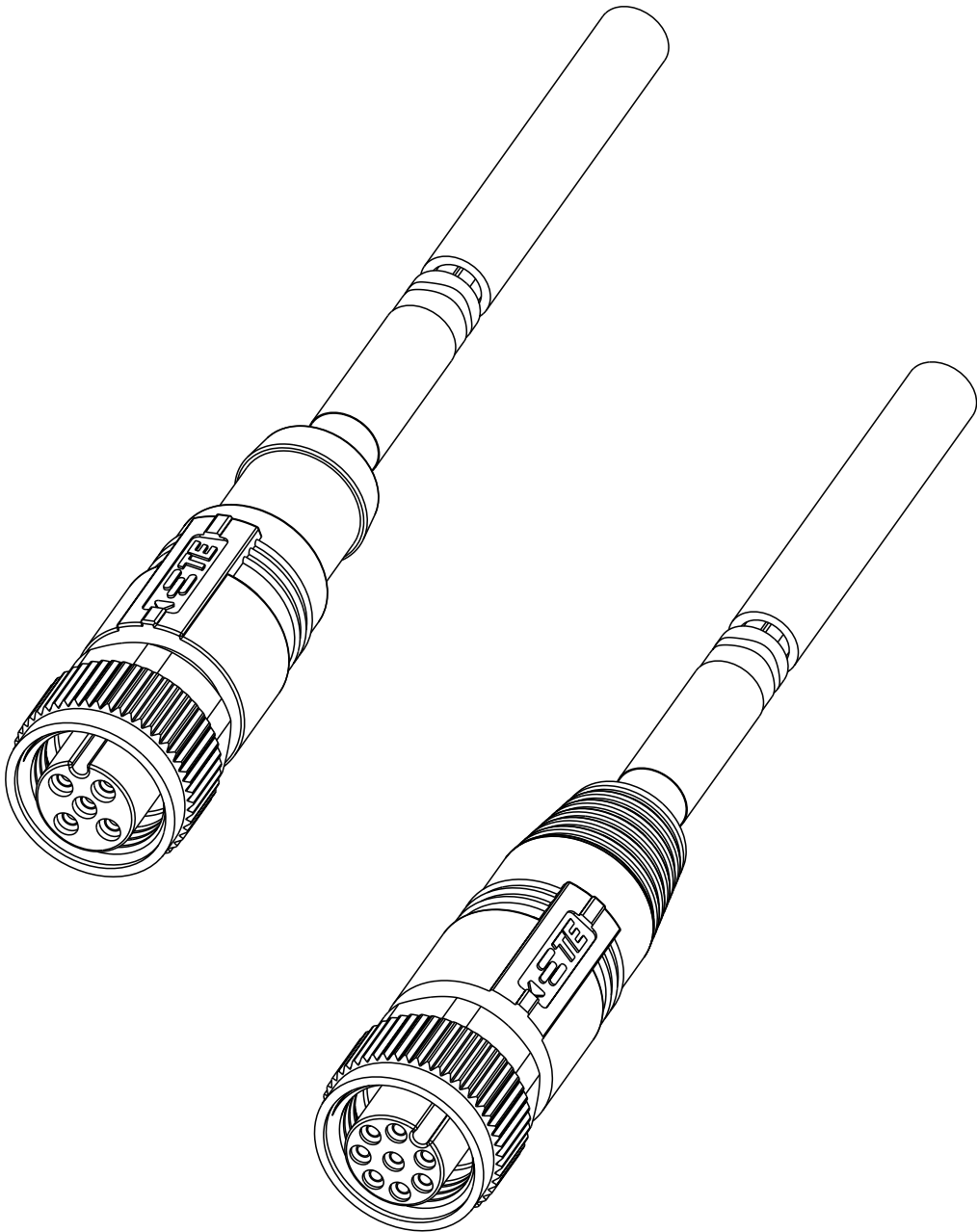
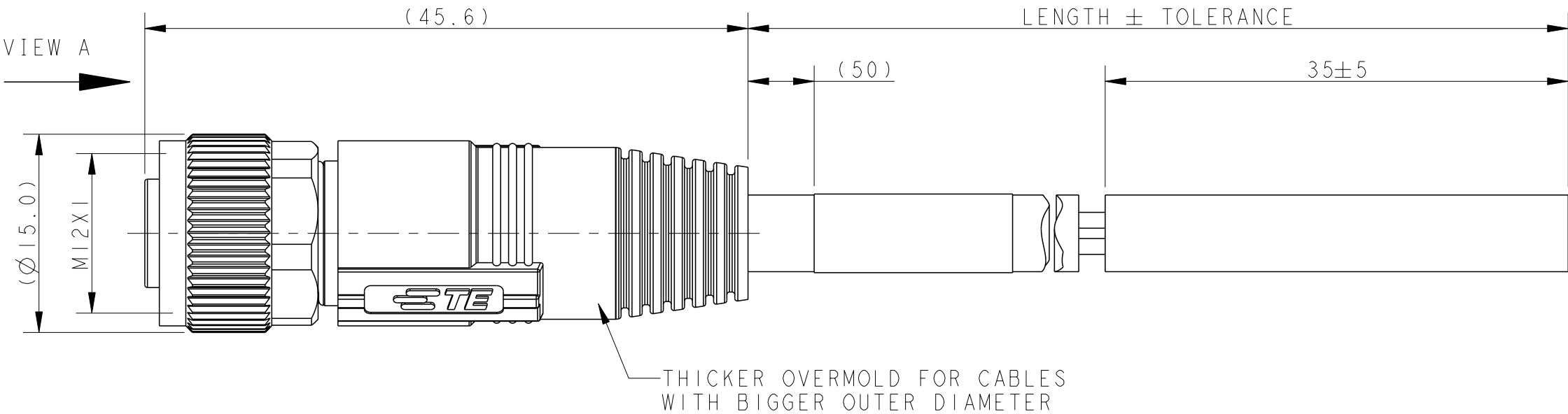
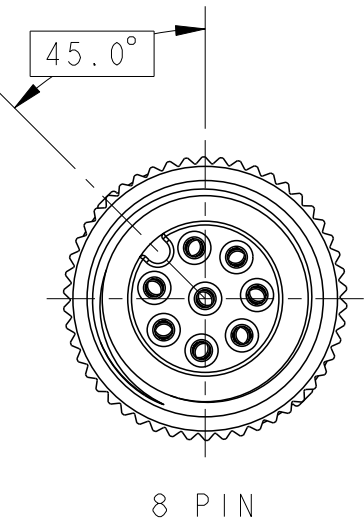
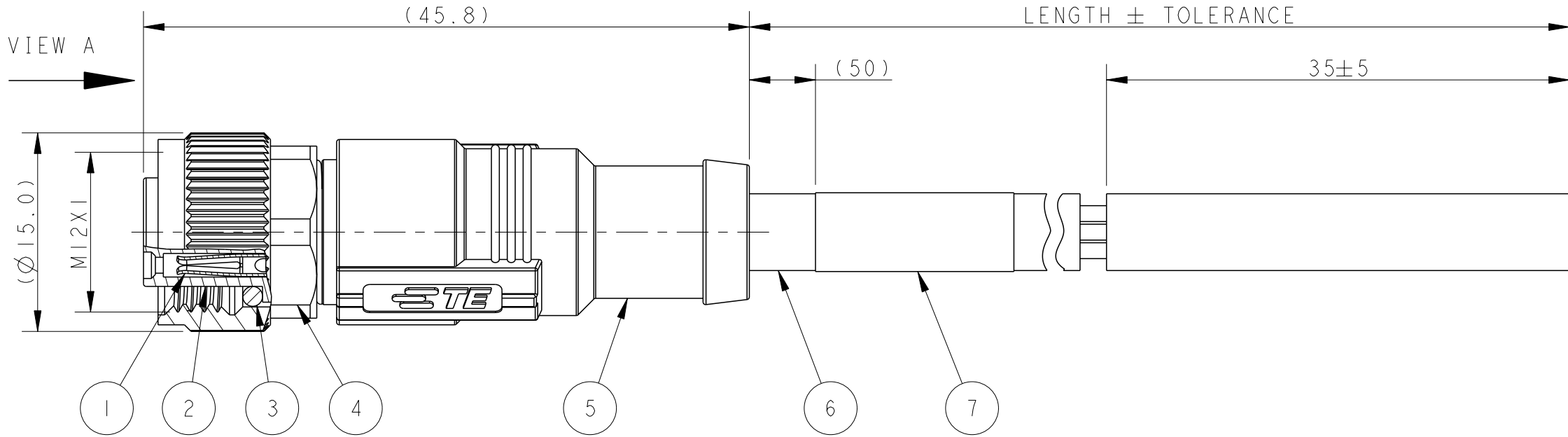
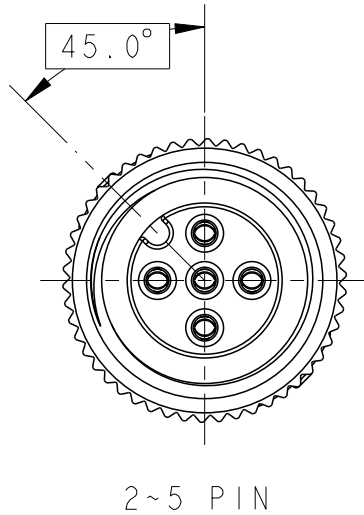
SCALE
1:1

SHEET
2 OF 5

REV
A

(T41613*) M12 STRAIGHT FEMALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

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



PN	T41613X0002-XXX	T41613X0003-XXX	T41613X0004-XXX	T41613X0005-XXX	T41613X0008-XXX
VIEW A					
WIRING DIAGRAM	PIN	PIN	PIN	PIN	PIN
	WIRE	WIRE	WIRE	WIRE	WIRE
	1	1	1	1	1
	2	2	2	2	2
	3	3	3	3	3
	4	4	4	4	4
	5	5	5	5	5
STANDARD	CODING REQUIRED TO IEC 61076-2-101				

TECHNICAL DATA	T41613X0002-XXX	T41613X0003-XXX	T41613X0004-XXX	T41613X0005-XXX	T41613X0008-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 SHIELDED

SIZE
A200779

CAGE CODE
C-1

DRAWING NO
ISET311C03R0000

RESTRICTED TO
-

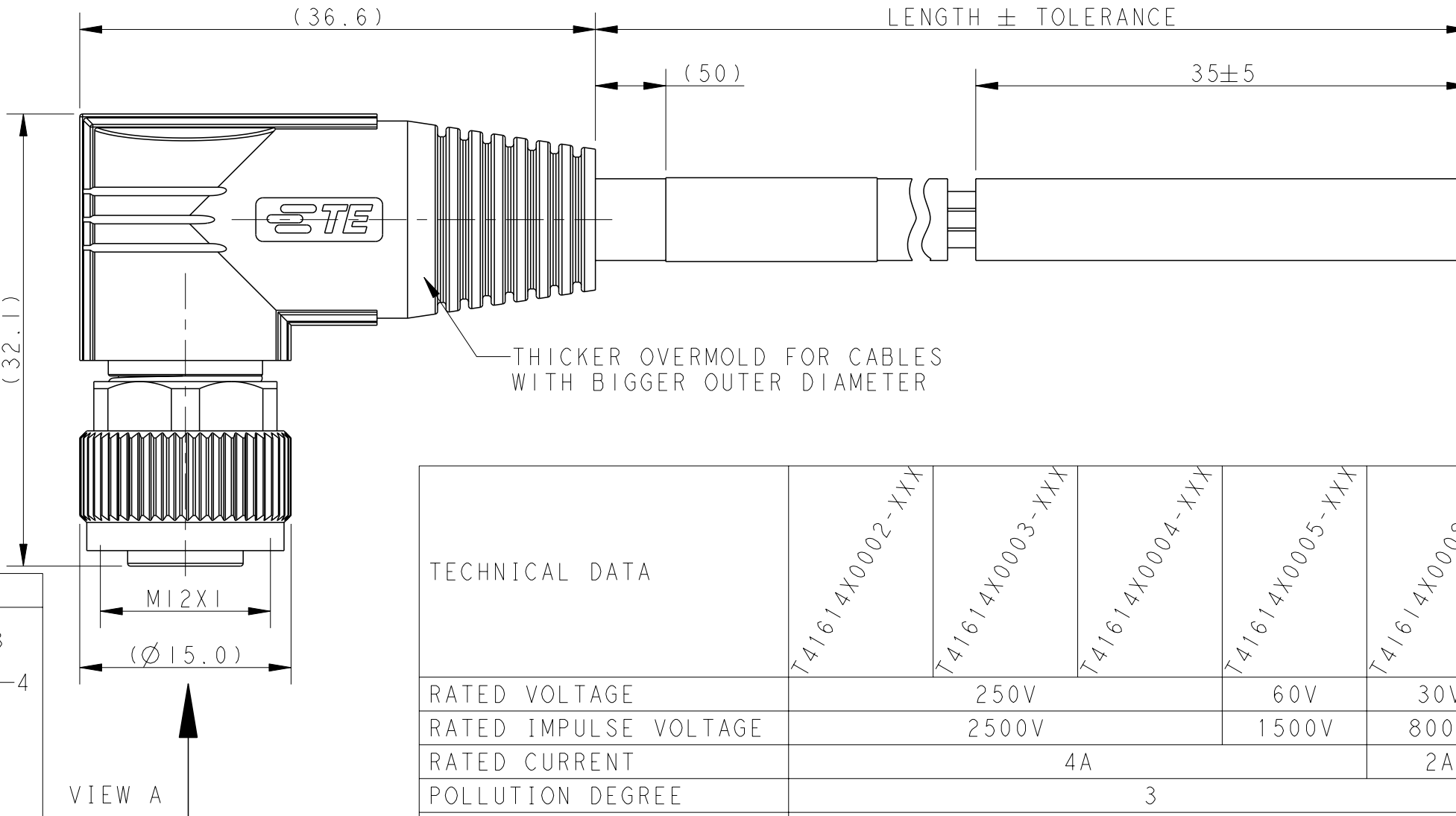
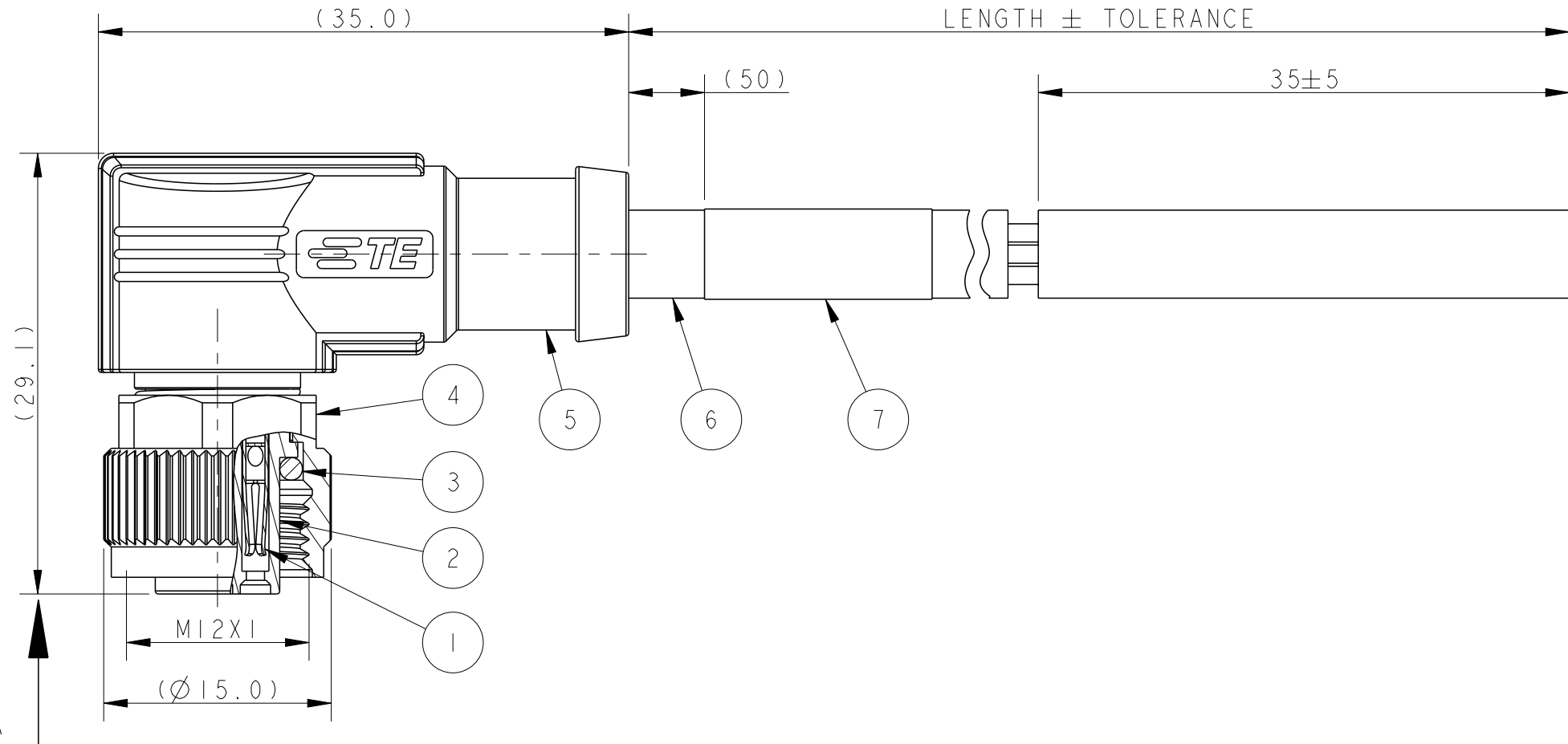
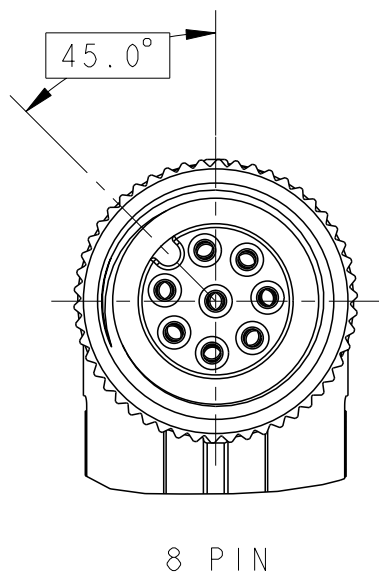
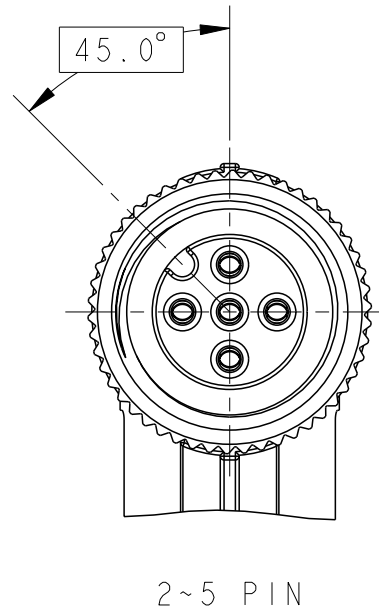
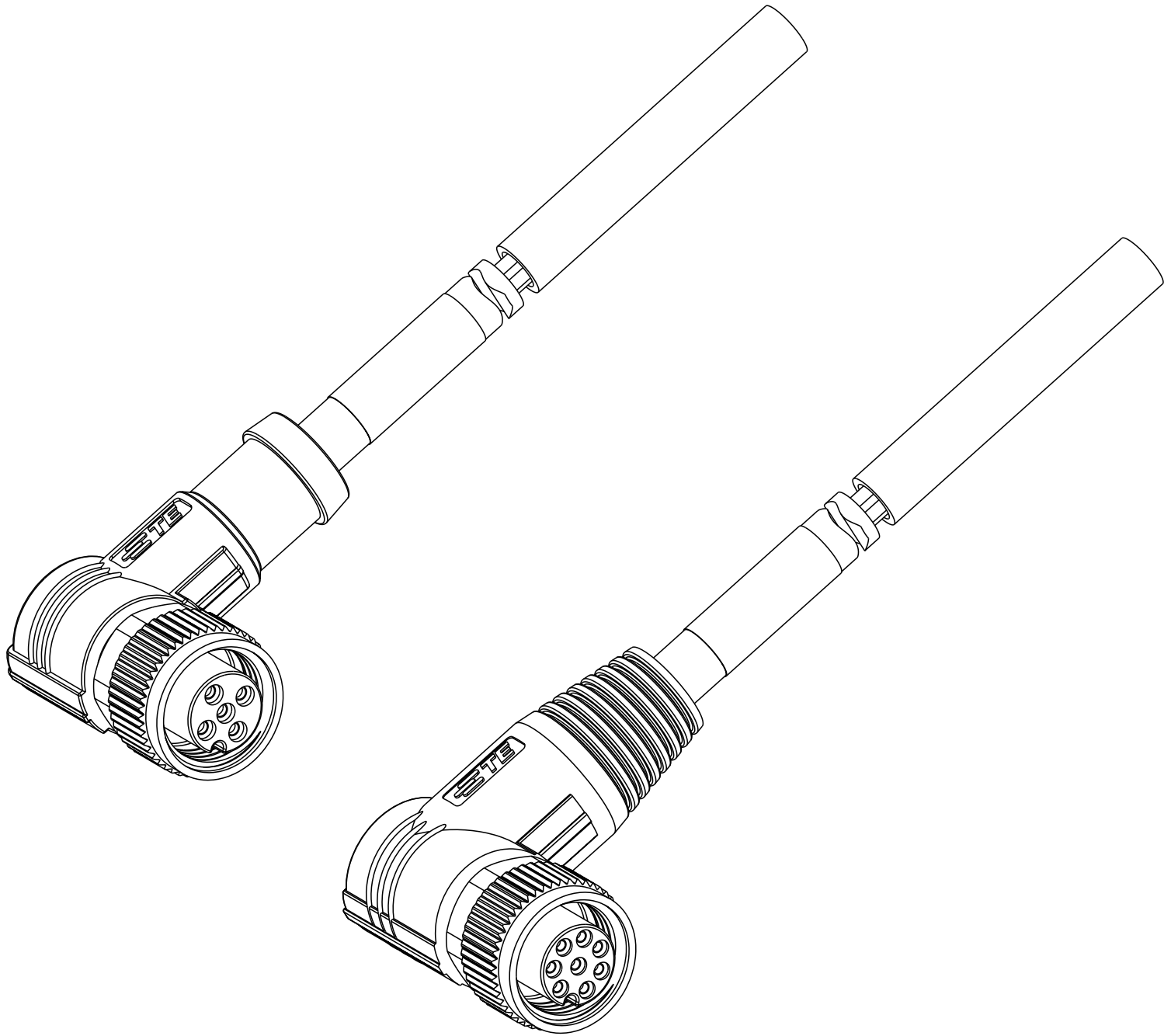
SCALE
1:1

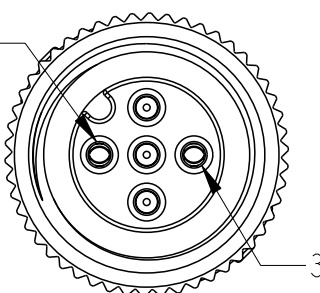
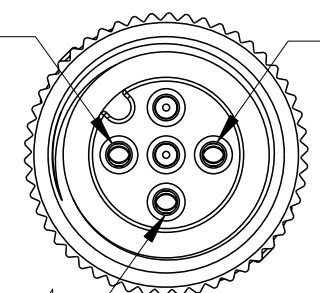
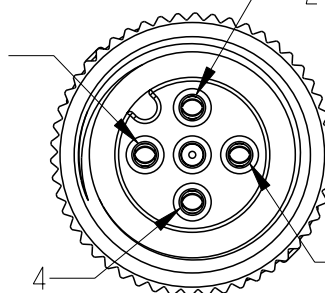
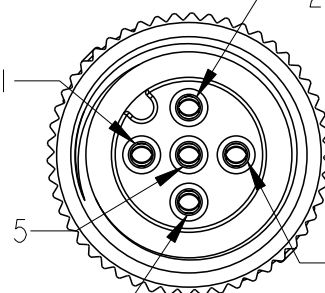
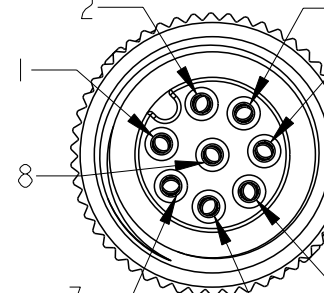
SHEET
3 OF 5

REV
A

(T41614*) M12 RIGHT ANGLE FEMALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

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



PN	T41614X0002-XXX	T41614X0003-XXX	T41614X0004-XXX	T41614X0005-XXX	T41614X0008-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	T41614X0002-XXX	T41614X0003-XXX	T41614X0004-XXX	T41614X0005-XXX	T41614X0008-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 SINGLE END SHIELDED		
		PRODUCT SPEC 108-106140 APPLICATION SPEC 114-137144		SIZE A200779	CAGE CODE C-1	DRAWING NO ISET311C03R0000
MATERIAL -		WEIGHT -		RESTRICTED TO -		
		CUSTOMER DRAWING		SCALE 1:1	SHEET 4 OF 5	REV A

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TE MATERIAL NO. - NUMERICAL CODE

T

4

1

6

1

X

X

0

0

X

X

-

X

X

X

CATEGORY:
T41=MI2XI
SENSOR/ACTUATOR

APPLICATION TYPE:
6=SHIELDED

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

**

SH

CATEGORY:
MI2XI 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,
...

APPLICATION TYPE:
SH=SHIELDED

CABLE INFORMATION

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	STATIC:TEMP.	DYNAMIC: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	-40°C~+80°C	-25°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 AND RETAIN 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...

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 SHIELDED

SIZE
A200779

CAGE CODE
C-1

DRAWING NO
ISET311C03R0000

RESTRICTED TO
-

SCALE
1:1

SHEET
5 OF 5

REV
A

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

PART LIST

M12-MS-4P-PUR-1.0-SH	T4161120004-002	1SET314051R0000
M12-MS-4P-PUR-3.0-SH	T4161120004-004	1SET314053R0000
M12-MS-4P-PUR-5.0-SH	T4161120004-005	1SET314054R0000
M12-MS-5P-PUR-1.0-SH	T4161120005-002	1SET314058R0000
M12-MS-5P-PUR-3.0-SH	T4161120005-004	1SET314060R0000
M12-MS-5P-PUR-5.0-SH	T4161120005-005	1SET314061R0000
M12-MS-8P-PUR-1.0-SH	T4161120008-002	1SET314065R0000
M12-MS-8P-PUR-3.0-SH	T4161120008-004	1SET314067R0000
M12-MS-8P-PUR-5.0-SH	T4161120008-005	1SET314068R0000
M12-MR-4P-PUR-1.0-SH	T4161220004-002	1SET314121R0000
M12-MR-4P-PUR-3.0-SH	T4161220004-004	1SET314123R0000
M12-MR-4P-PUR-5.0-SH	T4161220004-005	1SET314124R0000
M12-MR-5P-PUR-1.0-SH	T4161220005-002	1SET314128R0000
M12-MR-5P-PUR-3.0-SH	T4161220005-004	1SET314130R0000
M12-MR-5P-PUR-5.0-SH	T4161220005-005	1SET314131R0000
M12-MR-8P-PUR-1.0-SH	T4161220008-002	1SET314135R0000
M12-MR-8P-PUR-3.0-SH	T4161220008-004	1SET314137R0000
M12-MR-8P-PUR-5.0-SH	T4161220008-005	1SET314138R0000
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M12-FR-4P-PUR-3.0-SH	T4161420004-004	1SET314263R0000
M12-FR-4P-PUR-5.0-SH	T4161420004-005	1SET314264R0000
M12-FR-5P-PUR-1.0-SH	T4161420005-002	1SET314268R0000
M12-FR-5P-PUR-3.0-SH	T4161420005-004	1SET314270R0000
M12-FR-5P-PUR-5.0-SH	T4161420005-005	1SET314271R0000
M12-FR-8P-PUR-1.0-SH	T4161420008-002	1SET314275R0000
M12-FR-8P-PUR-3.0-SH	T4161420008-004	1SET314277R0000
M12-FR-8P-PUR-5.0-SH	T4161420008-005	1SET314278R0000
PRODUCT TYPE	TE PN	ENTRELEC PN

1471-9 (3/13)