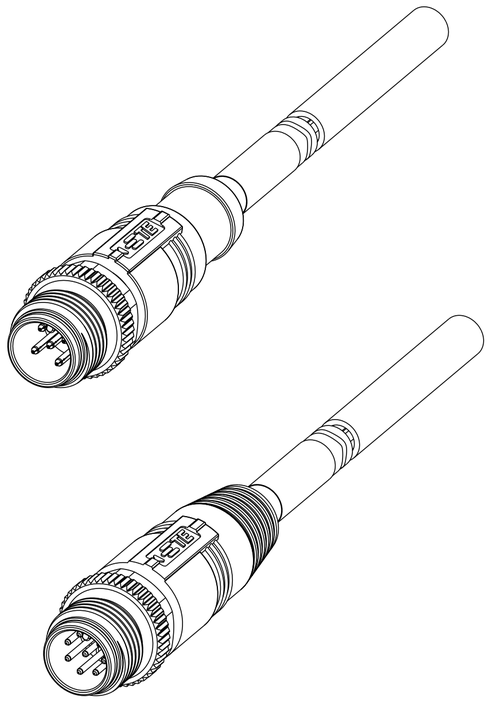
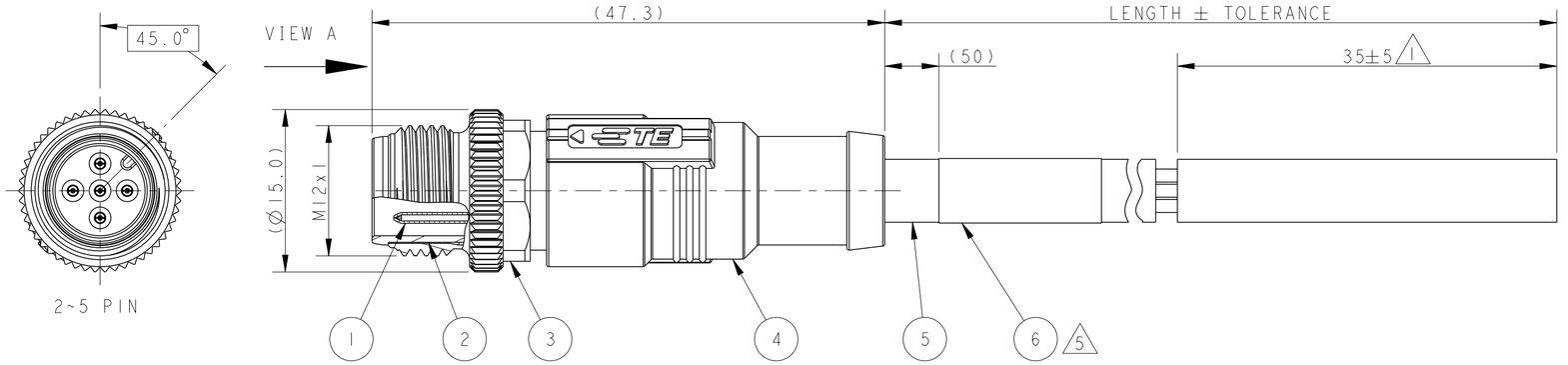
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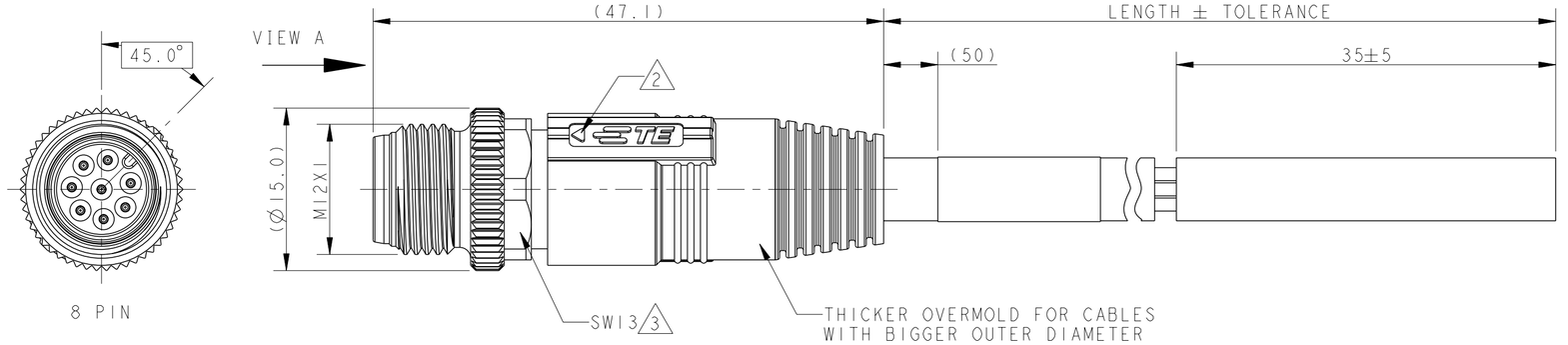
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	24APR2021	BP	CW

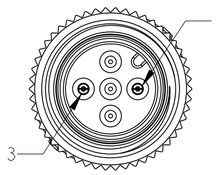
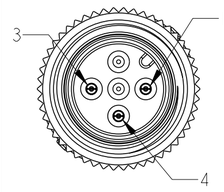
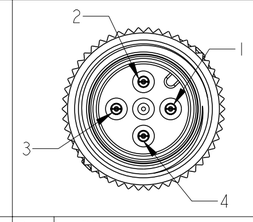
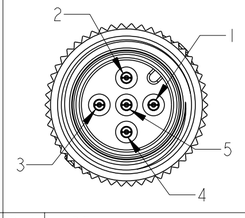
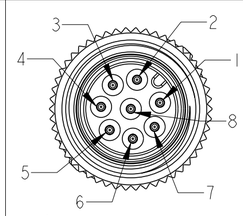
(T41611*) M12 STRAIGHT MALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

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	T4161IX0002-XXX		T4161IX0003-XXX		T4161IX0004-XXX		T4161IX0005-XXX		T4161IX0008-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	T4161IX0002-XXX	T4161IX0003-XXX	T4161IX0004-XXX	T4161IX0005-XXX	T4161IX0008-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				

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DIMENSIONS: mm

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

MATERIAL -
-

FINISH -
-

DWN 10APR2021 BLAZE PENG
CHK 10APR2021 KEVIN HUANG
APVD 10APR2021 CHRIS WANG
PRODUCT SPEC 108-106140
APPLICATION SPEC 114-137144
WEIGHT -

ENTRELEC
Electrical Solutions

NAME MI2 CABLE ASSEMBLEY SINGLE END SHIELDED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1SET311C03R0000	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 5 | REV A

1471-9 (3/13)

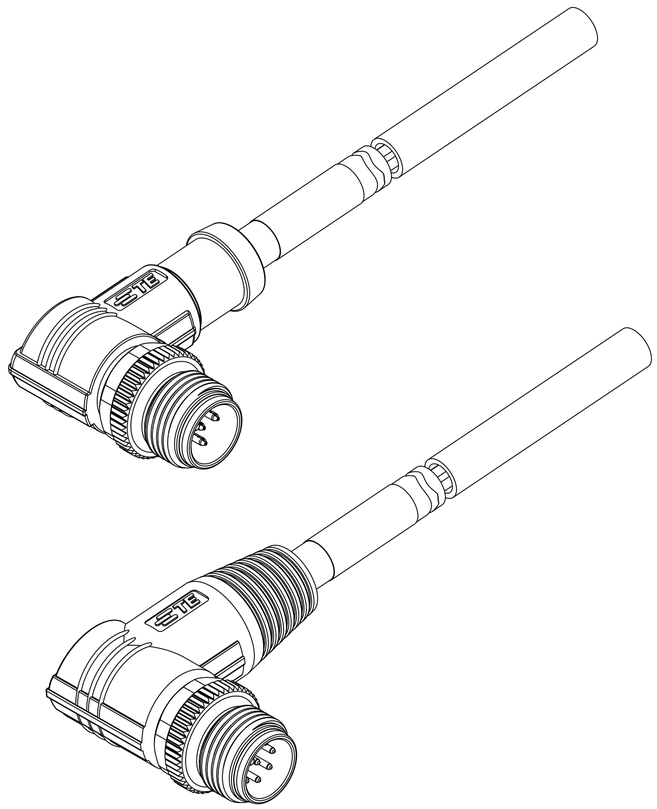
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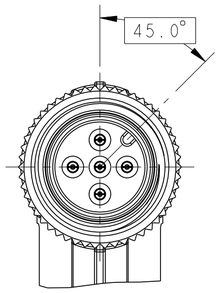
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(T41612*) M12 RIGHT ANGLE MALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

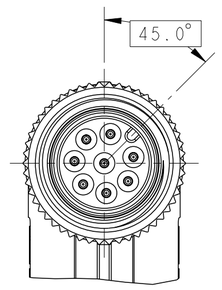
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	24APR2021	BP	CW

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	-	-

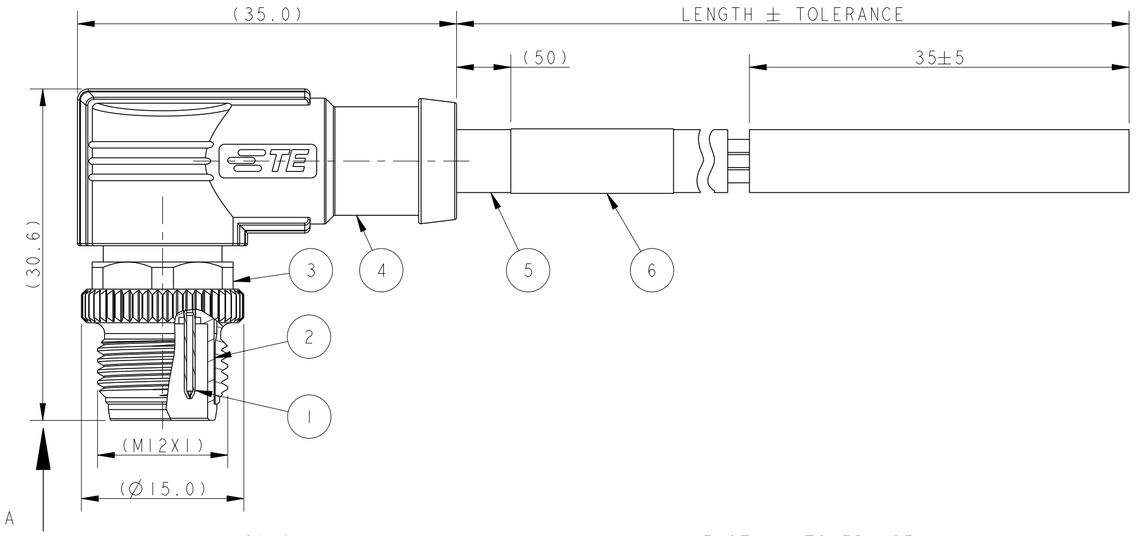




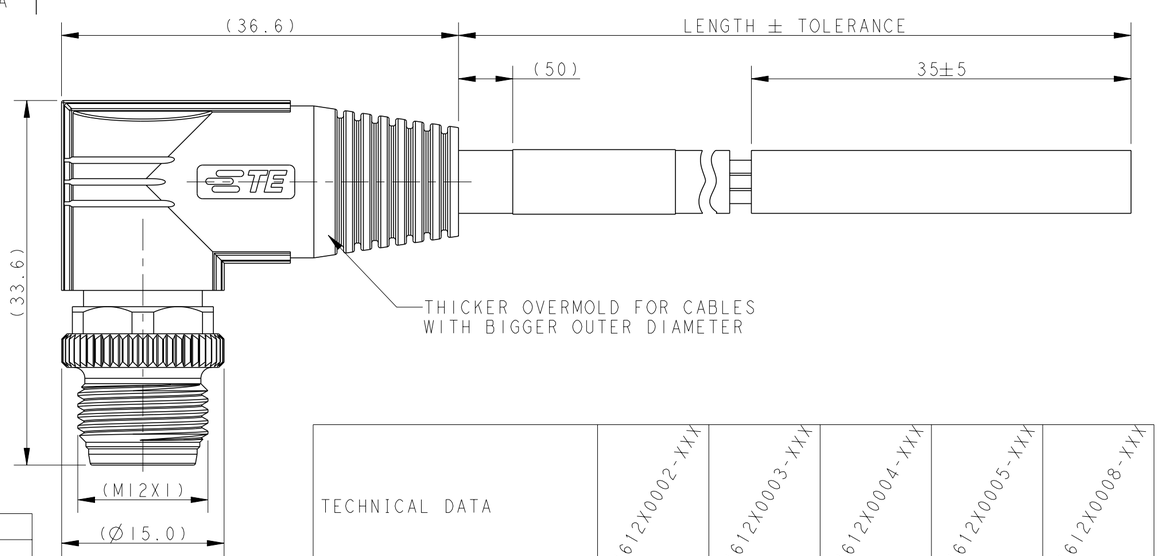
2~5 PIN



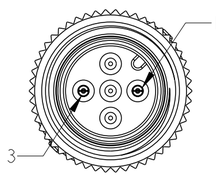
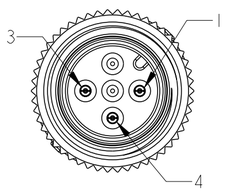
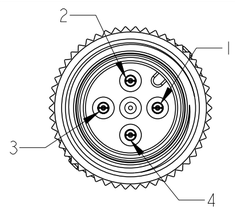
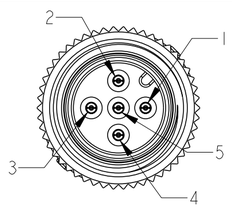
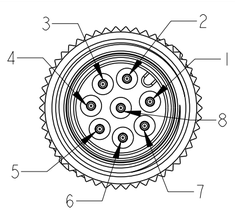
8 PIN



VIEW A



VIEW A

PN	T4161 2X0002-XXX		T4161 2X0003-XXX		T4161 2X0004-XXX		T4161 2X0005-XXX		T4161 2X0008-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	T4161 2X0002-XXX	T4161 2X0003-XXX	T4161 2X0004-XXX	T4161 2X0005-XXX	T4161 2X0008-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

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

MATERIAL -
FINISH -

DWN BLAZE PENG 10APR2021
CHK KEVIN HUANG 10APR2021
APVD CHRIS WANG 10APR2021
PRODUCT SPEC 108-106140
APPLICATION SPEC 114-137144
WEIGHT -

ENTRELEC Electrical Solutions

NAME M12 CABLE ASSEMBLEY SINGLE END SHIELDED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1SET311C03R0000	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 5 | REV A

1471-9 (3/13)

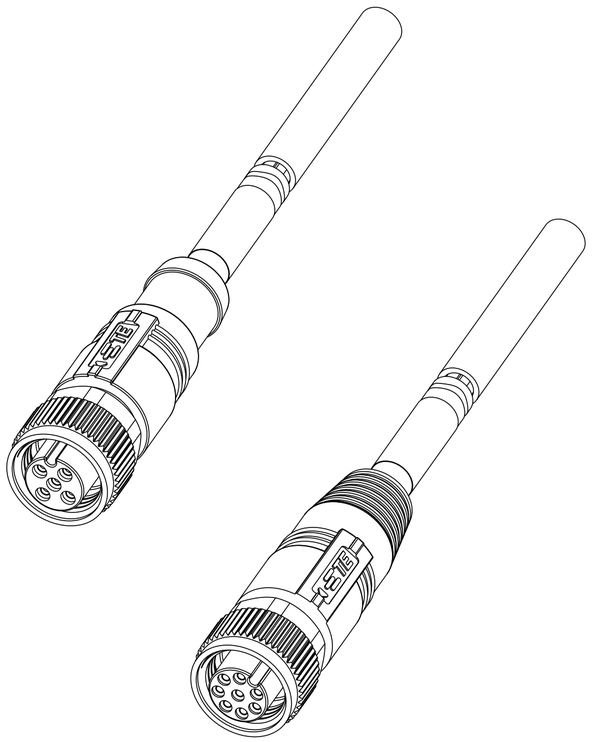
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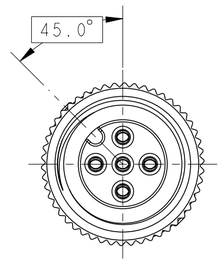
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

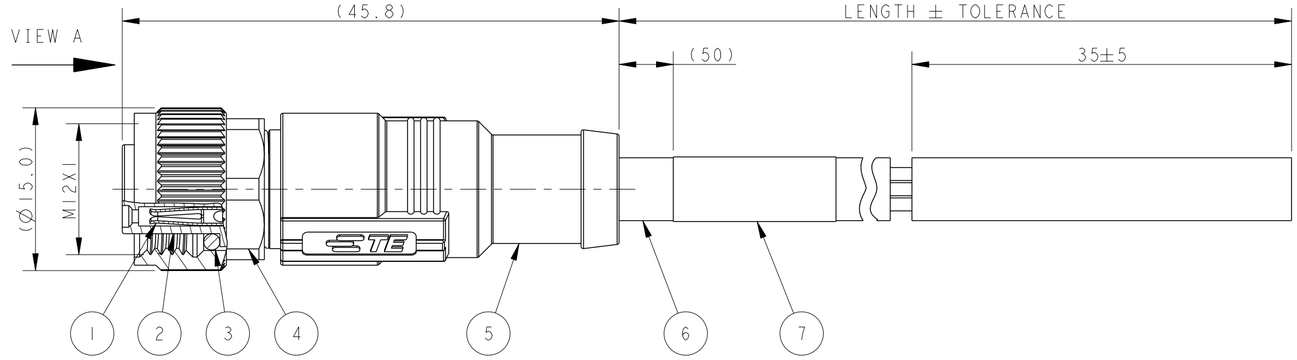
(T41613*) M12 STRAIGHT FEMALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

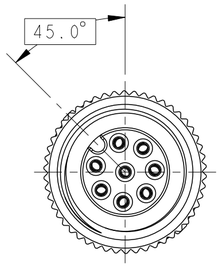
ITEM	DESCRIPTION	MATERIAL	OTHERS
1	FEMALE CONTACT	COPPER ALLOY	FLASH GOLD
2	HOUSING	NYLON	BLACK
3	O-RING	SILICONE	GRAY
4	COUPLING NUT	COPPER ALLOY	-
5	OVER-MOLDING	POLYURETHANE	BLUE
6	CABLE	1=PVC 2=PUR	PVC:BLACK PUR:GRAY
7	LABEL	-	-



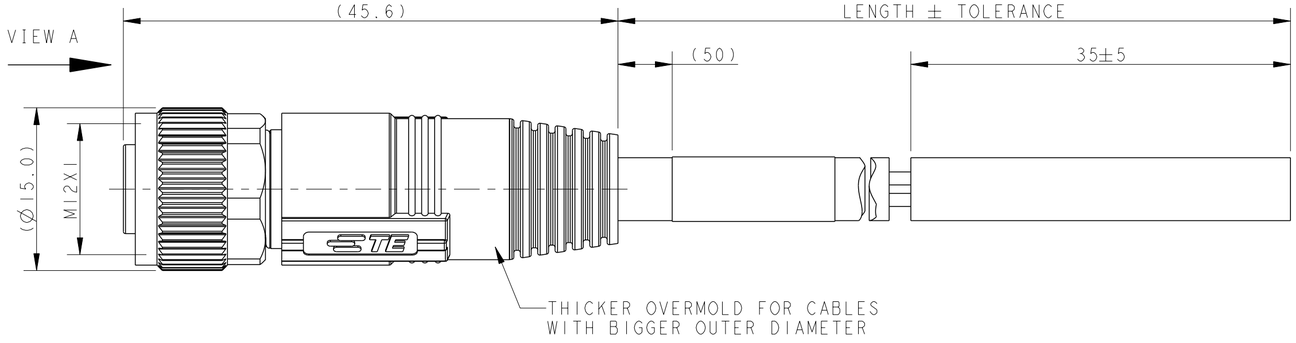


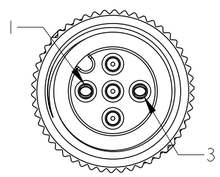
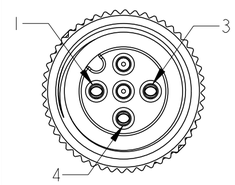
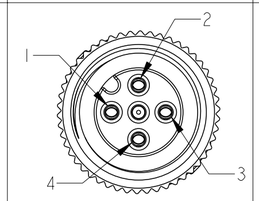
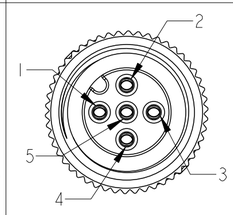
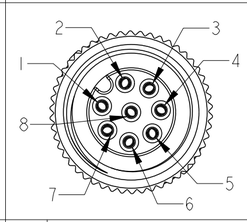
2~5 PIN





8 PIN



PN	T41613X0002-XXX	T41613X0003-XXX	T41613X0004-XXX	T41613X0005-XXX	T41613X0008-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	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

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

MATERIAL -
-

FINISH -
-

DWN BLAZE PENG 10APR2021
CHK KEVIN HUANG 10APR2021
APVD CHRIS WANG 10APR2021
PRODUCT SPEC 108-106140
APPLICATION SPEC 114-137144
WEIGHT -

ENTRELEC
Electrical Solutions

NAME M12 CABLE ASSEMBLEY SINGLE END SHIELDED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1SET311C03R0000	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 3 OF 5 | REV A

1471-9 (3/13)

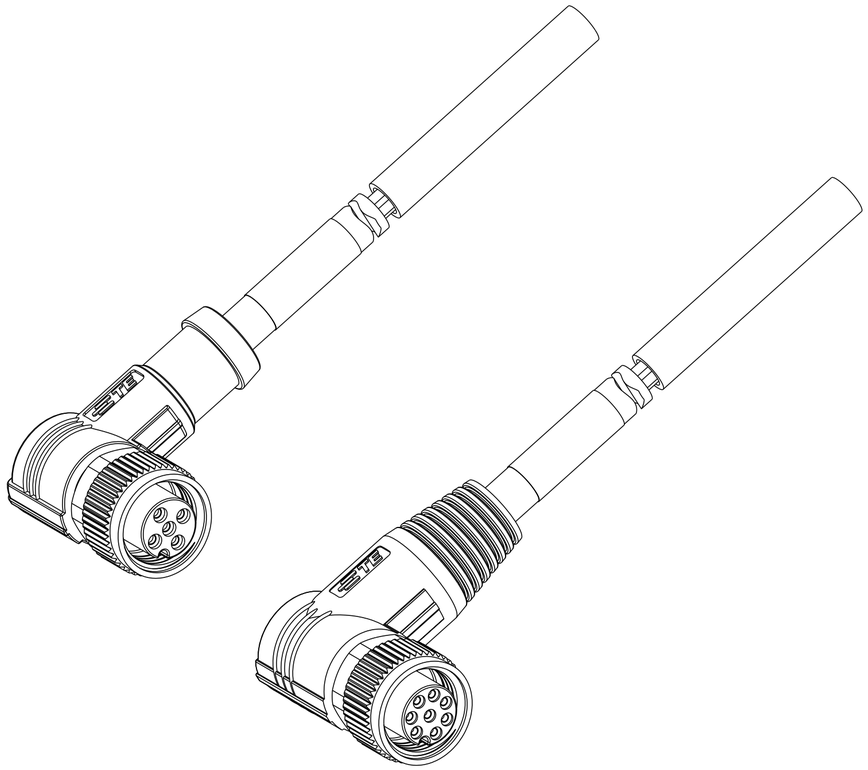
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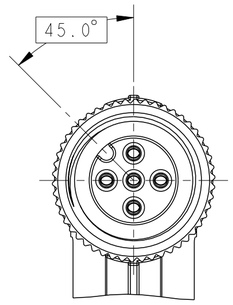
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(T41614*) M12 RIGHT ANGLE FEMALE SINGLE ENDED CABLE ASSEMBLY (Shielded)

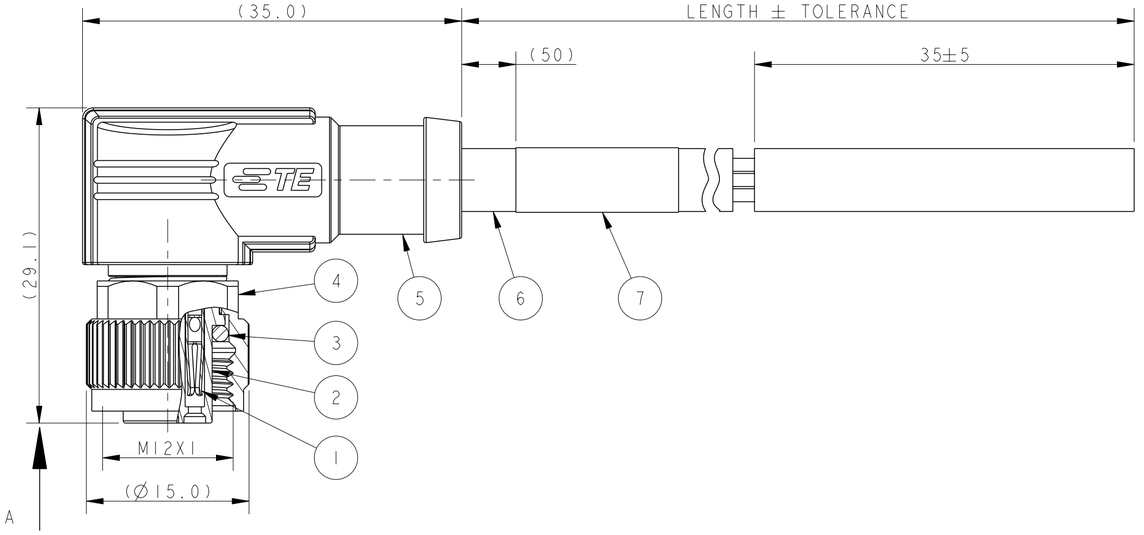
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

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	-	-

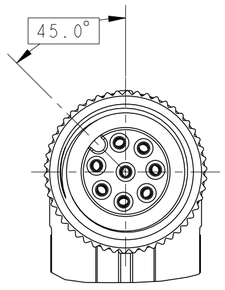




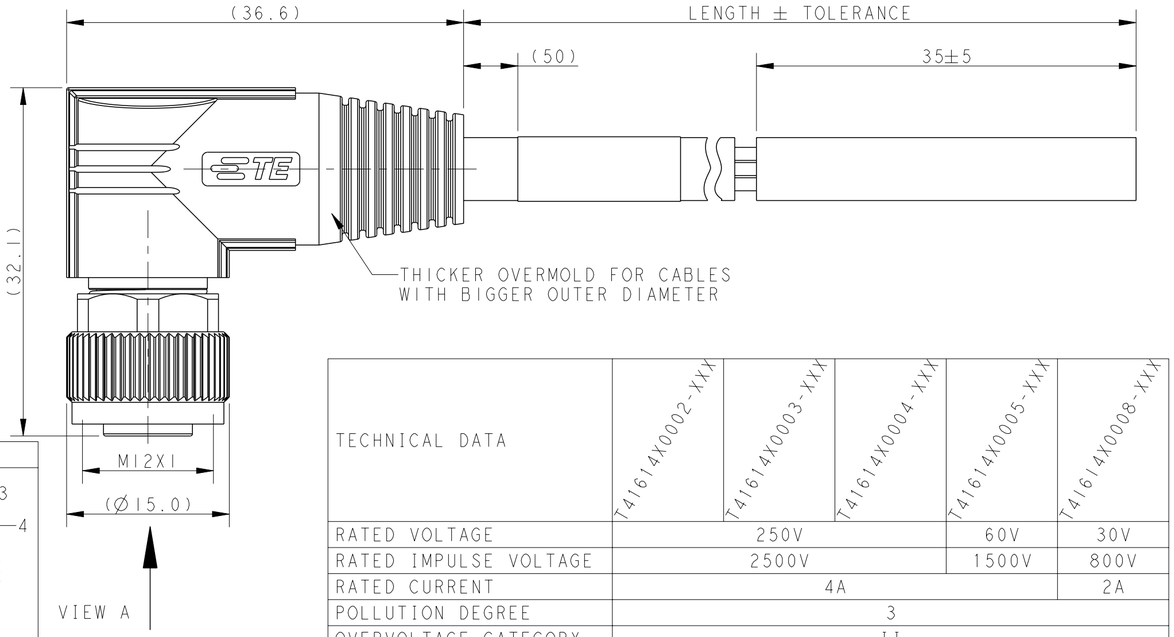
2~5 PIN



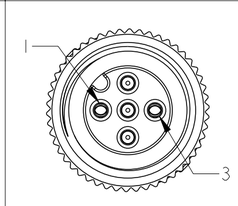
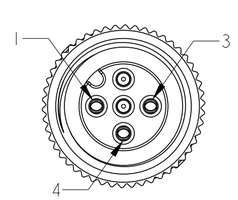
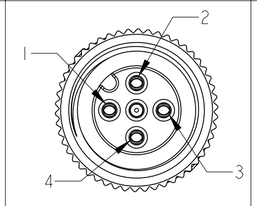
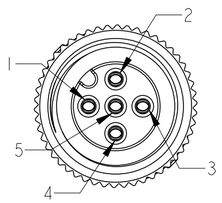
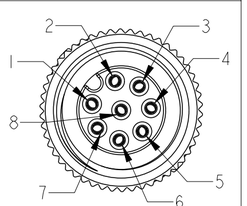
VIEW A



8 PIN



VIEW A

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				

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DIMENSIONS: mm

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

MATERIAL -
FINISH -
- -

DWN BLAZE PENG 10APR2021
CHK KEVIN HUANG 10APR2021
APVD CHRIS WANG 10APR2021
PRODUCT SPEC 108-106140
APPLICATION SPEC 114-137144
WEIGHT -

ENTRELEC
Electrical Solutions

NAME M12 CABLE ASSEMBLEY SINGLE END SHIELDED

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1SET311C03R0000	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 4 OF 5 | REV A

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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

TE MATERIAL NO. - NUMERICAL CODE

T 4 1 6 1 X X 0 0 X X - X X X

- CATEGORY: T41=M12X1 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
- CABLE TYPE:SEE TABLE 1=PVC 2=PUR
- CONNECTOR TYPE FOR DOUBLE END: 0=NA
- CODE TYPE: 0=A CODE
- 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: M12X1 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	0.34mm²	PVC BLACK	UL2464	-10°C~+80°C	-5°C~+80°C
1	8	0.25mm²	PVC BLACK	UL2464	-40°C~+80°C	-25°C~+80°C
2	2/3/4/5	0.34mm²	PUR GREY	UL20549	-40°C~+80°C	-25°C~+80°C
2	8	0.25mm²	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...

PART LIST

M12-MS-4P-PUR-1.0-SH	T4161120004-002	ISET314051R0000
M12-MS-4P-PUR-3.0-SH	T4161120004-004	ISET314053R0000
M12-MS-4P-PUR-5.0-SH	T4161120004-005	ISET314054R0000
M12-MS-5P-PUR-1.0-SH	T4161120005-002	ISET314058R0000
M12-MS-5P-PUR-3.0-SH	T4161120005-004	ISET314060R0000
M12-MS-5P-PUR-5.0-SH	T4161120005-005	ISET314061R0000
M12-MS-8P-PUR-1.0-SH	T4161120008-002	ISET314065R0000
M12-MS-8P-PUR-3.0-SH	T4161120008-004	ISET314067R0000
M12-MS-8P-PUR-5.0-SH	T4161120008-005	ISET314068R0000
M12-MR-4P-PUR-1.0-SH	T4161220004-002	ISET314121R0000
M12-MR-4P-PUR-3.0-SH	T4161220004-004	ISET314123R0000
M12-MR-4P-PUR-5.0-SH	T4161220004-005	ISET314124R0000
M12-MR-5P-PUR-1.0-SH	T4161220005-002	ISET314128R0000
M12-MR-5P-PUR-3.0-SH	T4161220005-004	ISET314130R0000
M12-MR-5P-PUR-5.0-SH	T4161220005-005	ISET314131R0000
M12-MR-8P-PUR-1.0-SH	T4161220008-002	ISET314135R0000
M12-MR-8P-PUR-3.0-SH	T4161220008-004	ISET314137R0000
M12-MR-8P-PUR-5.0-SH	T4161220008-005	ISET314138R0000
M12-FS-4P-PUR-1.0-SH	T4161320004-002	ISET314191R0000
M12-FS-4P-PUR-3.0-SH	T4161320004-004	ISET314193R0000
M12-FS-4P-PUR-5.0-SH	T4161320004-005	ISET314194R0000
M12-FS-5P-PUR-1.0-SH	T4161320005-002	ISET314198R0000
M12-FS-5P-PUR-3.0-SH	T4161320005-004	ISET314200R0000
M12-FS-5P-PUR-5.0-SH	T4161320005-005	ISET314201R0000
M12-FS-8P-PUR-1.0-SH	T4161320008-002	ISET314205R0000
M12-FS-8P-PUR-3.0-SH	T4161320008-004	ISET314207R0000
M12-FS-8P-PUR-5.0-SH	T4161320008-005	ISET314208R0000
M12-FR-4P-PUR-1.0-SH	T4161420004-002	ISET314261R0000
M12-FR-4P-PUR-3.0-SH	T4161420004-004	ISET314263R0000
M12-FR-4P-PUR-5.0-SH	T4161420004-005	ISET314264R0000
M12-FR-5P-PUR-1.0-SH	T4161420005-002	ISET314268R0000
M12-FR-5P-PUR-3.0-SH	T4161420005-004	ISET314270R0000
M12-FR-5P-PUR-5.0-SH	T4161420005-005	ISET314271R0000
M12-FR-8P-PUR-1.0-SH	T4161420008-002	ISET314275R0000
M12-FR-8P-PUR-3.0-SH	T4161420008-004	ISET314277R0000
M12-FR-8P-PUR-5.0-SH	T4161420008-005	ISET314278R0000
PRODUCT TYPE	TE PN	ENTRELEC PN

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