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ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	GOLD PLATED
2	FE FEMALE CONTACT	COPPER ALLOY	GOLD PLATED
3	MALE NUT	COPPER ALLOY	NICKEL PLATED
4	MALE HOUSING	NYLON	BLACK 4P GRAY 5P
5	METAL SHELL	COPPER ALLOY	NICKEL PLATED
6	CONNECTOR GRIP	TPU	BLACK
7	CABLE	PVC/PUR JACKET	BLACK OR GRAY
8	LABEL	-	-

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	NEW RELEASE	01FEB2021	AZ	CW
	A1	ECR-24-206927 UPDATE STRIPPING METHOD	25APR2024	J.L	C.W

NOTE:

△1. TECHNICAL DATA SEE TABLE1

△2. CODE POSITION INDICATOR

△3. RECOMMENDED TORQUE 0.6 Nm

△4. -*:CABLE LENGTH,FOR EXAMPLE:-0.5M

5. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

△6. LABEL CONTAINS: PN, DATE CODE

△7. SHIELDED:STRIP AND RETAIN THE INSULATION
UNSHIELDED:STRIP ALL THE INSULATION

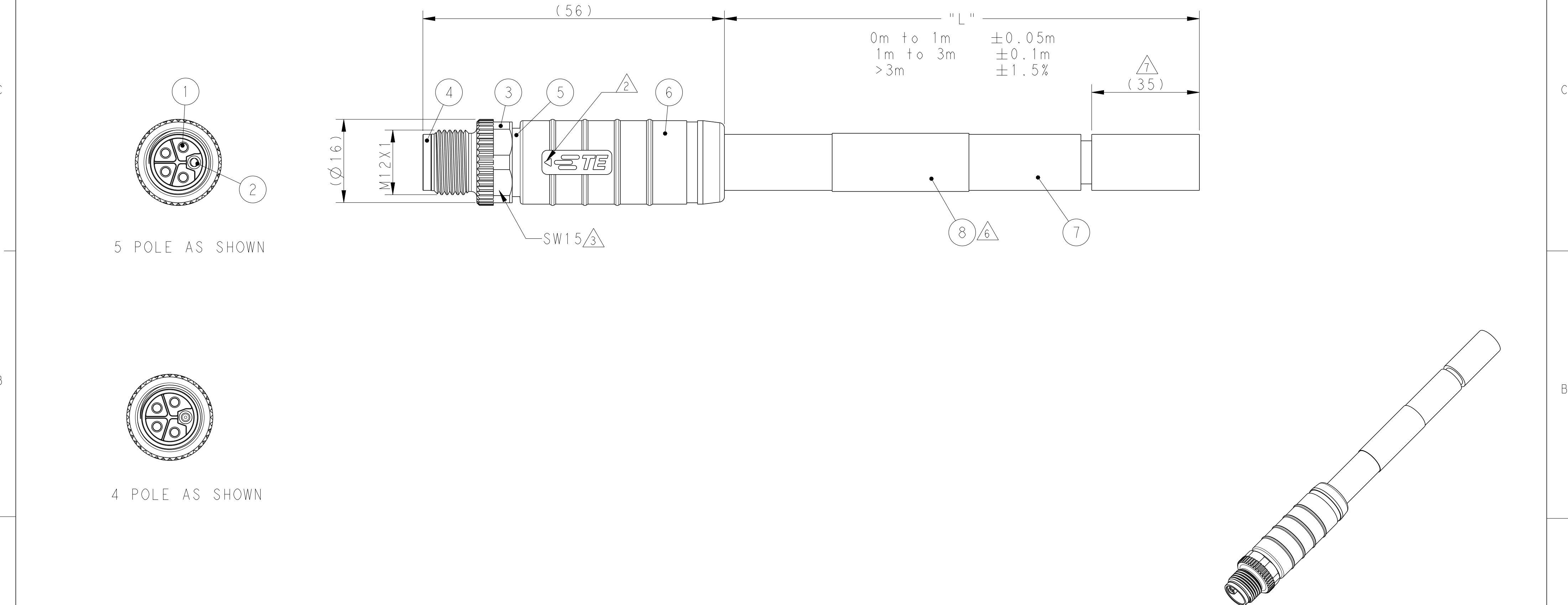


TABLE 1	
TECHNICAL DATA	
RATED VOLTAGE	63V
RATED IMPULSE VOLTAGE	1500V
RATED CURRENT	16A/14AWG 12A/16AWG
POLLUTION DEGREE	3
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP67

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ALEX ZHANG 04NOV2020	TE Connectivity						
DIMENSIONS:		CHK HART HE 04NOV2020							
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD CHRIS WANG 04NOV2020	NAME M12 L CODE CORDSETS MALE STRAIGHT						
mm		PRODUCT SPEC 108-137350							
		APPLICATION SPEC 114-137144	SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO		
		WEIGHT	A2		-	C-T41X11XXLXXXXX		-	
MATERIAL		FINISH	CUSTOMER DRAWING				SCALE	SHEET	REV
-		-					2:1	1 OF 2	A1
-		-							

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TE PN CODING:

T

4

I

X

X

X

X

X

L

X

X

-

X

X

X

TE M12 SERIES

SHIELDING
5=UNSHIELDED
6=SHIELDED

FORMS:
1=SINGLE ENDED
2=DOUBLE SIDED

WIRE TYPE:
9=PVC,14AWG
B=PUR,14AWG
C=PUR,16AWG

INTERFACE TYPE
1=MALE STRAIGHT
2=MALE ANGLED
3=FEMALE STRAIGHT
4=FEMALE ANGLED
5=MALE STRAIGHT TO FEMALE STRAIGHT
6=MALE STRAIGHT TO FEMALE ANGLED
A=MALE ANGLED TO FEMALE STRAIGHT

CABLE GRIP:
9=TPU BLACK

JACKET COLOR:
1=BLACK
2=GRAY

CODE TYPE:
L=L CODE

CONN. POLE:
4=4 POLES
5=5 POLES

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-003:1.5M
-020:2.0M
-004:3.0M
-005:5.0M
-006:7.0M
-007:10.0M
-200:20.0M
CUSTOMIZATION RULES:
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

CIRCUIT DIAGRAM
L CODE

1

2

3

4

1

2

3

4

BN棕

WH白

BU蓝

BK黑

CIRCUIT DIAGRAM UNSHIELDED 4P

MALE

15

1

2

3

4

1

2

3

4

BN棕

WH白

BU蓝

BK黑

CIRCUIT DIAGRAM UNSHIELDED 5P

MALE

16

1

2

3

4

1

2

3

4

BN棕

WH白

BU蓝

BK黑

FE

GY灰

CIRCUIT DIAGRAM SHIELDED 5P

MALE

17

WIRES:5X14AWG
JACKET:PUR GRAY
WIRE COLOR: BROWN/WHITE/BLUE/BLACK/GRAY
OD: APPROX.10.40mm
TEMPERATURE RATING:80°C UL
TEMP RATING:
-50°C TO +80°C FIXED
-30°C TO +80°C MOVED
SUITABLE FOR DRAG CHAIN APPLICATIONS

WIRES:5X16AWG
JACKET:PUR GRAY
WIRE COLOR: BROWN/WHITE/BLUE/BLACK/GRAY
OD: APPROX.9.10mm
TEMPERATURE RATING:80°C UL
TEMP RATING:
-50°C TO +80°C FIXED
-30°C TO +80°C MOVED
SUITABLE FOR DRAG CHAIN APPLICATIONS

WIRES:5X14AWG
JACKET:PUR GRAY
WIRE COLOR: BROWN/WHITE/BLUE/BLACK/GRAY
OD: APPROX.9.65mm
TEMPERATURE RATING:80°C UL
TEMP RATING:
-50°C TO +80°C FIXED
-30°C TO +80°C MOVED
SUITABLE FOR DRAG CHAIN APPLICATIONS

WIRES:5X14AWG
JACKET:PVC GRAY
WIRE COLOR: BROWN/WHITE/BLUE/BLACK/GRAY
OD: APPROX.10.1mm
TEMPERATURE RATING:80°C UL
TEMP RATING:
-40°C TO +80°C FIXED
-20°C TO +80°C MOVED

WIRES:4X16AWG
JACKET:PUR BLACK
WIRE COLOR: BROWN/WHITE/BLUE/BLACK
OD: APPROX.8.4mm
TEMPERATURE RATING:80°C UL
TEMP RATING:
-50°C TO +80°C FIXED
-30°C TO +80°C MOVED
SUITABLE FOR DRAG CHAIN APPLICATIONS

WIRES:4X14AWG
JACKET:PVC BLACK
WIRE COLOR: BROWN/WHITE/BLUE/BLACK
OD: APPROX.9.5mm
TEMPERATURE RATING:80°C UL
TEMP RATING:
-40°C TO +80°C FIXED
-20°C TO +80°C MOVED

CABLE CHARACTERISTIC

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-003:1.5M
-020:2.0M
-004:3.0M
-005:5.0M
-006:7.0M
-007:10.0M
-200:20.0M
CUSTOMIZATION RULES:
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

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DIMENSIONS:
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±1
1 PLC ±0.5
2 PLC ±0.30
3 PLC ±
4 PLC ±
ANGLES ±
FINISH -

MATERIAL -

DWN
ALEX ZHANG
04NOV2020

CHK
HART HE
04NOV2020

APVD
CHRIS WANG
04NOV2020

PRODUCT SPEC
108-137350

APPLICATION SPEC
114-137144

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME
M12 L CODE CORDSETS
MALE STRAIGHT

SIZE
A2

CAGE CODE
-

DRAWING NO
T41X11XXLXXXXX

RESTRICTED TO
-

SCALE
2:1

SHEET
2 OF 2

REV
A1

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

RPC-M12L-5MS-**-SH PUR 14AWG GY

5

GRAY

Y

T41611B9L25-XXX

17

RPC-M12L-5MS-**-PUR 16AWG GY

5

GRAY

N

T41511C9L25-XXX

16

RPC-M12L-5MS-**-PUR 14AWG GY

5

GRAY

N

T41511B9L25-XXX

16

RPC-M12L-5MS-**-PVC 14AWG GY

5

GRAY

N

T4151199L25-XXX

16

RPC-M12L-4MS-**-PUR 16AWG BK

4

BLACK

N

T41511C9L14-XXX

15

RPC-M12L-4MS-**-PVC 14AWG BK

4

BLACK

N

T4151199L14-XXX

15

POS.

HSG COLOR

SHIELDING

TABLE 2
TE PN

1471-9 (3/13)