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ITEM	DESCRIPTION	MATERIAL	OTHERS
1	MALE CONTACT	COPPER ALLOY	GOLD PLATED
2	HOUSING	NYLON	BLACK
3	COUPLING NUT	COPPER ALLOY	NICKEL PLATED
4	OVER-MOLDING	TPU	BLACK
5	SHIELDED SHELL	COPPER ALLOY	NICKEL PLATED
6	CABLE	PUR	VIOLET
7	LABEL	-	-

45°

△2

30.75 REF.

5

SW13

△3

M12X1

34.95 REF.

50 REF.

35±5

0m to 1m ±0.05m

1m to 3m ±0.1m

>3m ±1.5%

"L"

NOTE:

△1. STRIP AND RETAIN THE INSULATION

△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...

注释:

△1. 剥线并保留护套绝缘层

△2. CODE位置指示

△3. 推荐扭矩0.6 Nm

△4. - **:线缆长度,例如:-0.5M

5. 线缆组件塑料袋包装

△6. 标签包含: 产品编号, 日期代码...

TE PN CODING:

T

A

X

X

X

X

X

X

X

X

X

-

X

X

X

TE M12 SERIES

CODE TYPE
B=B CODE

POLES NO.:
2-2 POS

APPLICATION TYPE
6=PROFIBUSDP SHIELDED

WIRE GAUGE
3=24AWG
4=22AWG

CABLE JACKET COLOR
5=VIOLET
SIMILAR TO RAL4001

OVERMOLDING
0=BLACK TPU

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

OTHER ATTRIBUTES
1=STANDARD SCREW NUT WITH NICKEL PLATED/
STAMPED TERMINAL 30U"AU PLATING

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-020:2.0M
-040:4.0M
-060:6.0M
-080:8.0M
-007:10.0M
-150:15.0M
CUSTOMIZATION RULES:
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

CABLE JACKET
5=PUR HIGH FLEXIBLE(DRAG CHAIN)
6=PUR HIGH FLEXIBLE(TORSION)

7

6

4

3

2

1

M12B2-MR-PUR-0.5M	TAB62235501-001	1SET315190R0000
M12B2-MR-PUR-1.0M	TAB62235501-002	1SET315191R0000
M12B2-MR-PUR-2.0M	TAB62235501-020	1SET315193R0000
M12B2-MR-PUR-4.0M	TAB62235501-040	1SET315194R0000
M12B2-MR-PUR TORSION-0.5M	TAB62246501-001	1SET315198R0000
M12B2-MR-PUR TORSION-1.0M	TAB62246501-002	1SET315199R0000
M12B2-MR-PUR TORSION-2.0M	TAB62246501-020	1SET315201R0000
M12B2-MR-PUR TORSION-4.0M	TAB62246501-040	1SET315202R0000
DESCRIPTION	TE PN	ENTRELEC PN

Wires:22AWG
Wire color: RED AND GREEN
OD: APPROX.8.0MM
TEMPERATURE RATING:80°C UL
OPERATION TEMP RATING:-25°C To +75°C
APPLICATIONS:FLEXIBLE,SUITABLE FOR ±180°
TORSION APPLICATION,5 MILLION CYCLES
FOR 1M LENGTH

Wires:24AWG
Wire color: RED AND GREEN
OD: APPROX.7.8MM
TEMPERATURE RATING:80°C UL
OPERATION TEMP RATING:
-40°C To +80°C
APPLICATIONS:
FLEXIBLE,SUITABLE FOR DRAG CHAIN,
MIN. 1 MILLION CYCLES,DIAMETER 75MM,
SPEED 2m/s,ACCELERATION 2m/s²

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-020:2.0M
-040:4.0M
-060:6.0M
-080:8.0M
-007:10.0M
-150:15.0M
CUSTOMIZATION RULES:
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

VIOLET

PUR

CABLE CHARACTERISTIC

LENGTH "L"

JACKET COLOR

JACKET MATERIAL

TYPE

POS.

TE PN

PIN ARRANGEMENT
B-CODE

PIN 2 DATE CORE A GREEN

PIN 4 DATE CORE B RED

CIRCUITDIAGRAM

4

3

5

1

2

MALE

DATA CORE A

DATA CORE B

SHIELD

TECHNICAL DATA

RATED VOLTAGE	250V
RATED IMPULSE VOLTAGE	2500V
RATED CURRENT	4A
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 ±

FINISH -

-

DWN
BLAZE PENG
08JUN2021

CHK
KEVIN HUANG
08JUN2021

APVD
CHRIS WANG
08JUN2021

PRODUCT SPEC
108-106140

APPLICATION SPEC
114-137144

WEIGHT
-

CUSTOMER DRAWING

ENTRELEC
Electrical Solutions

NAME
M12 B CODE CABLE ASSY,SHIELDED
2P,MR FREE END

SIZE
A2

CAGE CODE
-

DRAWING NO
C=1SET311A07R0000

RESTRICTED TO

SCALE
2:1

SHEET
1

OF
1

REV
A