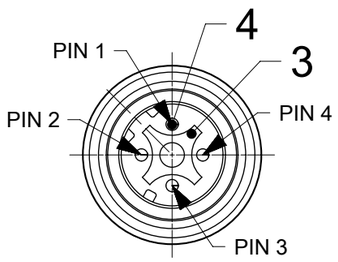
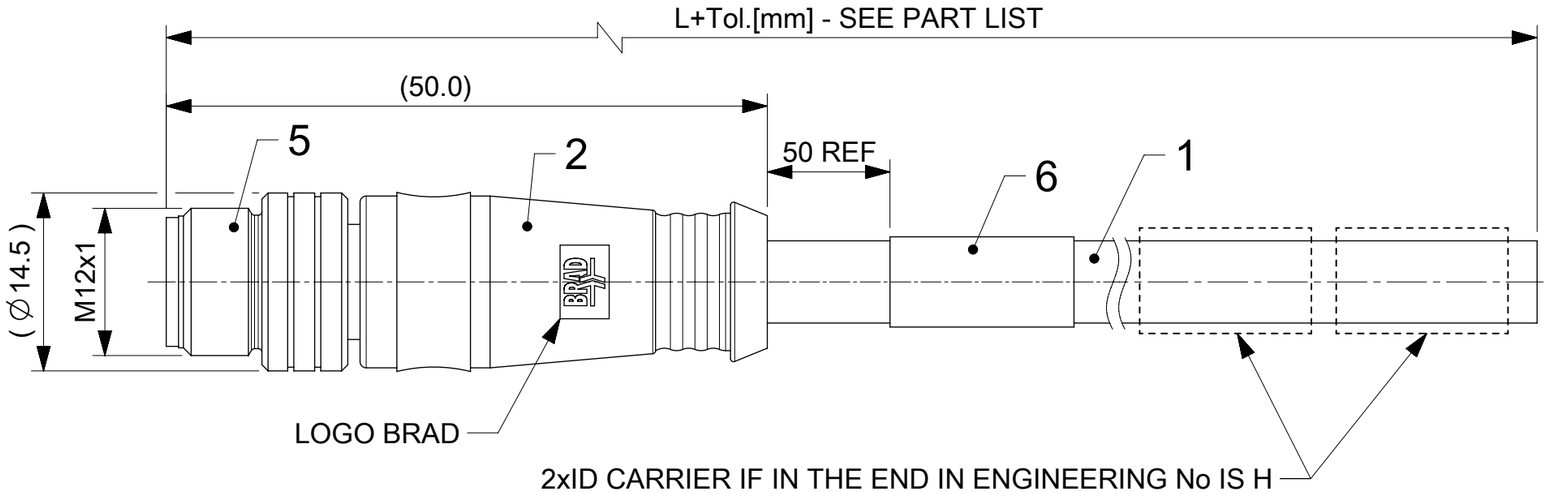
PART No MATRIX

E	1	0	A	0	0	6	1	1	M	X	X	X	X

- E = ETHERNET
- HEAD : 1 = M12 D-Coding
- WIRING TYPE: A=4 Pole (STRAIGHT WIRED)
- HEADS STYLE: 006 = MALE STR
- CABLE TYPE
- UNITS : M= METER, T=10x METER
- LENGTH EXAMPLES: 005=0.5 m, 010=1m, 150=15m
- H= 2 PCS. OF I/D CARRIER



VIEW FROM THE FRONT SIDE



CABLE SPECIFICATION
CONDUCTOR:
MATERIAL: BARE COPPER
SECTION: 0.34mm² - 22AWG
INSULATION:
COMPOUND: POLYOLEFIN
DIAMETER: ∅1.45mm
COLOR: WHITE,YELLOW, BLUE, ORANGE
TWISTED TOGETHER
JACKET:
COMPOUND: PUR
COLOR: GREEN
DIAMETER: ∅6.80 ±0.20mm

NOTES :
ELECTRICAL DATA :
VOLTAGE RATING : 250V
AMPERAGE RATING : 4A
INSULATION RESISTANCE : $10^8\Omega$ MIN.
MATING CYCLES : MIN. 100

ENVIRONMENTAL :
PROTECTION : IP67 IN MATED AND LOCKED POSITION
OPERATING TEMPERATURE : -25°C TO +85°C

WIRING DIAGRAM

PIN 1	YELLOW
PIN 2	WHITE
PIN 3	ORANGE
PIN 4	BLUE

BOM

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
6	1	LABEL	-	-
5	1	COUPLING NUT M12 MALE	BRASS	Ni-PLATED
4	4	CONTACT MALE	BRONZE	GOLD OVER Ni-PLATED
3	1	INSERT M12 MALE 4 POL DC	PUR	BLACK
2	-	OVERMOULD MATERIAL	TPU	BLACK
1	-	CABLE 2x2x22AWG; SHLD	PUR	GREEN

PART LIST

MOLEX PN	ENGINEERING NO	L (mm)
1300480311	E10A00611M020	2000
1300480281	E10A00611M050	5000
1300480282	E10A00611M100	10000
1300480283	E10A00611M200	20000
1300480284	E10A00611M300	30000
1300480285	E10A00611M500	50000
1300488117	E10A00611M100H	10000

CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm | SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.05
1 PLACE	±	0.3
0 PLACES	±	0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 672185
DRWN: MDHARMANTI 2021/07/14
CHK'D: RSILLER 2021/09/20
APPR: RSILLER 2021/09/20

INITIAL REVISION:
DRWN: MDHARMANTI 2021/07/14
APPR: RSILLER 2021/09/20

molex

CSE M12 ETH 4P DC MA STR PUR 2M SE

PRODUCT CUSTOMER DRAWING

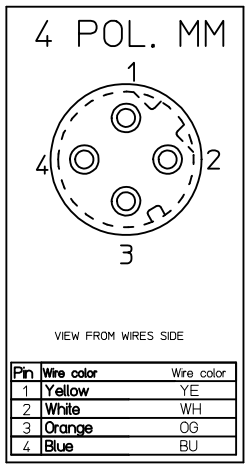
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1300480311	PSD	000	A

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 130048

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/20 12:58:24

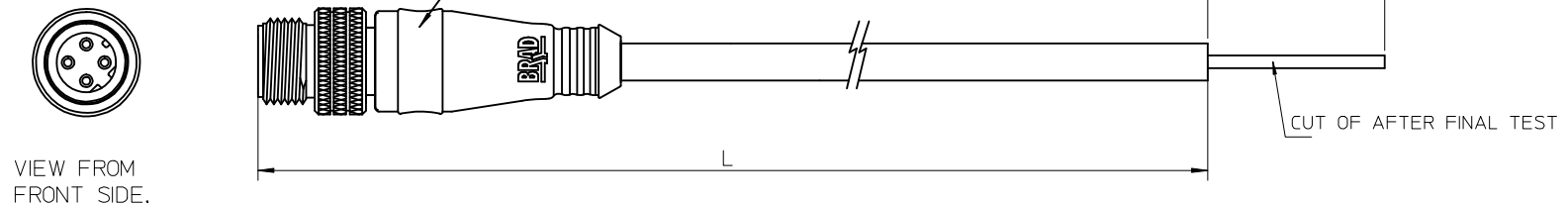
FORMAT: molex_landscape_A3
REVISION: J
DATE: 2020/01/14



Pin	Wire color	Wire color
1	Yellow	YE
2	White	WH
3	Orange	OG
4	Blue	BU

Table of lenght tolerances		
Over	Up to and including	Tolerance (+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of lenght

Molex P/N:	ENG P/N:	L [mm]
1300480281	E10A00611M050	5000
1300480282	E10A00611M100	10000
1300480283	E10A00611M200	20000
1300480284	E10A00611M300	30000
1300480285	E10A00611M500	50000



CABLE SPECIFICATION

No. OF CONDUCTORS: 4
STRANDING: 7x30AWG
CROSS SECTION:0,34mm
OUTER JACKET: GREEN PUR
TEMPERATURE RATING:
OPERATING: -20° to 60°C
STORAGE: -40° to 80°C

SILICONE FREE
HALOGEN FREE

ORIGINAL RELEASE
EC NO: IPG2016-1572 2016/05/23
DRWN:MMATLA
CH'KD:
APPR:MIWASIECZKO 2016/05/25
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: -
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: MDYSZEWSKA DATE: 2012/11/14
CHECKED BY: JMARSZALEK DATE: 2013/11/28
APPROVED BY: MIWASIECZKO DATE: 2013/11/28

TITLE: CSE M12 4P DC MA STR PUR XM SE SHLD GN BRA NI

molex

MATERIAL NO.: SEE CHART 1
DOCUMENT NO.: SD-130048-005
SHEET NO.: 1 OF 1
SIZE: A3

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