

PART No MATRIX

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

E = ETHERNET

HEAD :
1 = M12 D-Coding

HEADS STYLE:
006 = MALE STR

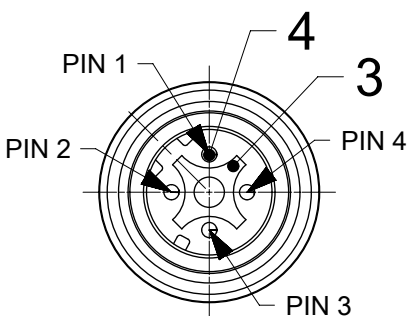
CABLE TYPE

UNITS :
M= METER
T=10x METER

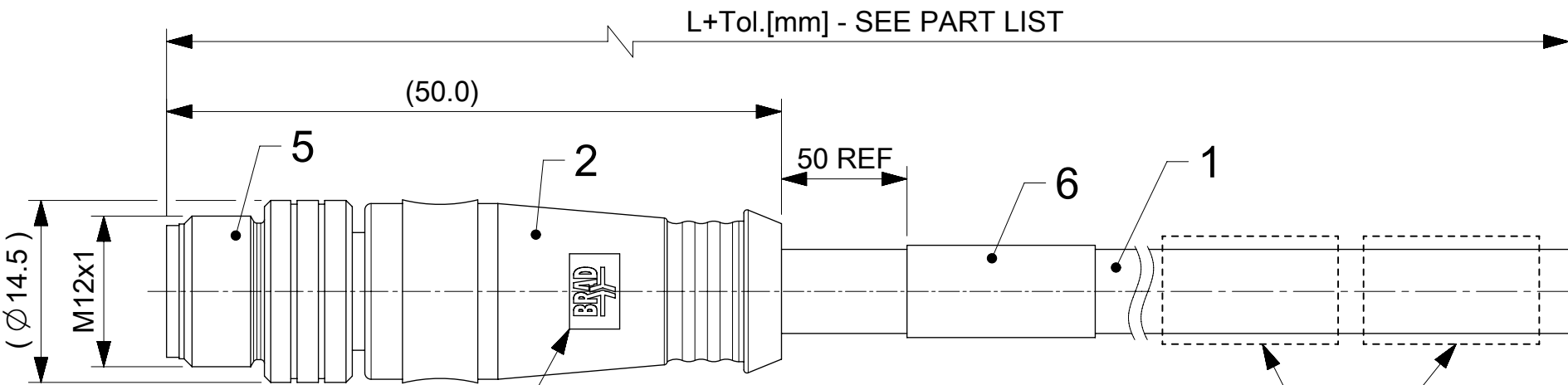
LENGTH EXAMPLES:
005=0.5 m
010=1m
150=15m

H= 2 PCS. OF I/D CARRIER

WIRING TYPE:
A=4 Pole (STRAIGHT WIRED)



VIEW FROM THE FRONT SIDE



LOGO BRAD

2xID CARRIER IF IN THE END IN ENGINEERING No IS H

CABLE SPECIFICATION

CONDUCTOR:

MATERIAL: BARE COPPER
SECTION: 0.34mm² - 22AWG

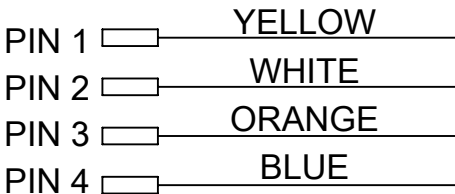
INSULATION:

COMPOUND: POLYOLEFIN
DIAMETER: Ø1.45mm
COLOR: WHITE,YELLOW, BLUE, ORANGE
TWISTED TOGETHER

JACKET:

COMPOUND: PUR
COLOR: GREEN
DIAMETER: Ø6.80 ±0.20mm

WIRING DIAGRAM



BOM

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
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
FA = 0	DIMENSION UNITS	SCALE
FE = 0	mm	2:1
FE = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
DIVISIONAL SYMBOLS	ANGULAR TOL	± 1.0 °
	4 PLACES	±
	3 PLACES	±
	2 PLACES	± 0.05
	1 PLACE	± 0.3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	0 PLACES	± 0.5
	THIRD ANGLE PROJECTION	
DRAWING		SERIES
A3-SIZE		130048
MATERIAL NUMBER		CUSTOMER
SEE PART LIST		GENERAL MARKET
SHEET NUMBER		1 OF 1

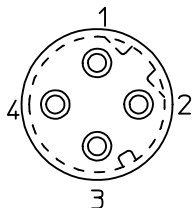
NOTES :

ELECTRICAL DATA :
VOLTAGE RATING : 250V
AMPERAGE RATING : 4A
INSULATION RESISTANCE : 10⁸Ω MIN.
MATING CYCLES : MIN. 100

ENVIRONMENTAL :

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

4 POL. MM



VIEW FROM WIRES SIDE

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

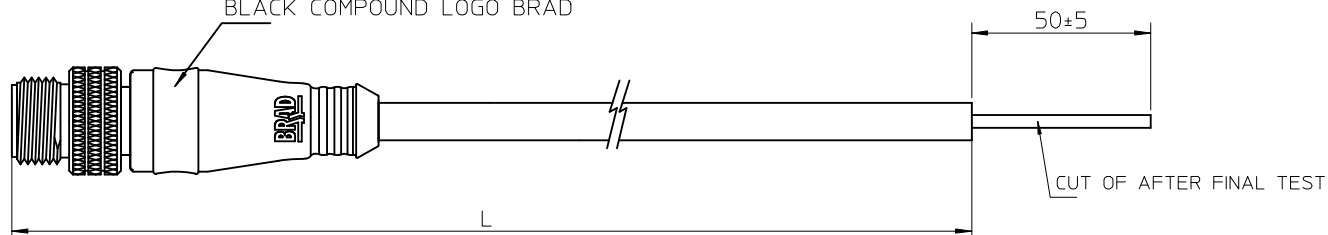
Table of length tolerances		
Over	Up to and including	Tolerance (±)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% of length

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



VIEW FROM
FRONT SIDE.

BLACK COMPOUND LOGO BRAD



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 DRWN:MMATLA 2016/05/23 CHKD: APPR:MIWASIECZKO 2016/05/25	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE -	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION	
			4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	mm INCH	DRAWN BY DATE		TITLE CSE M12 4P DC MA STR PUR XM SE SHLD GN BRA NI			
					CHECKED BY DATE					
					JMARSZALEK 2013/11/28		molex			
					APPROVED BY DATE					
					MIWASIECZKO 2013/11/28					DOCUMENT NO. SD-130048-005
					MATERIAL NO.		SHEET NO. 1 OF 1			
SEE CHART 1										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								