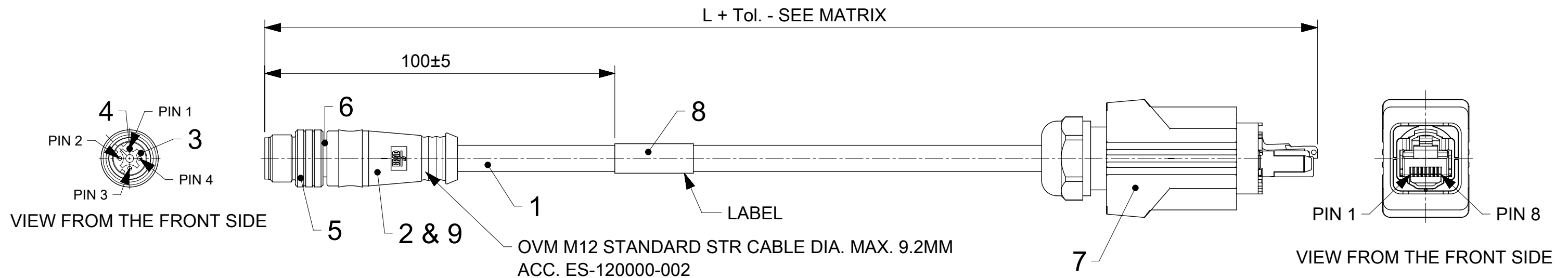
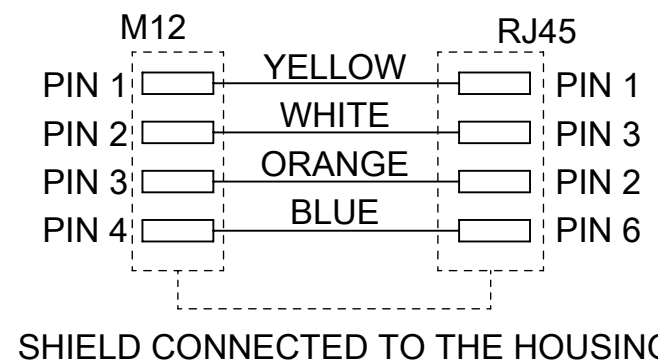


PART No MATRIX

The diagram shows a 14-character alphanumeric code: E 1 7 A 0 6 0 1 1 M X X X X. Each character is in a box. Brackets below group the characters into fields with definitions:

- E**: =ETHERNET
- 1 7**: HEADS: 1=M12 D-Coding, 7=RJ45 PUSH/PULL PLUG
- A**: WIRING TYPE: A=4 Pole (STRAIGHT WIRED)
- 0 6 0**: HEADS STYLE: 060= MALE STR / MALE STR
- 1 1**: CABLE TYPE
- M**: UNITS: M= METER, T=10x METER
- X X X X**: LENGTH EXAMPLES: 005=0.5, 010=1, 150=15
- X**: OPTIONS: H= 2 PCS. OF I/D Carrier

WIRING DIAGRAM



NOTES:

- 1) MATERIAL : SEE TABLE
- 2) FINISHES : SEE TABLE
- 3) CABLE : #22x2x2 SHIELDED PUR
- 4) ELECTRICAL DATA:
 ACCORDING TO ETHERNET STANDARD
 MAX. VOLTAGE : 30V
 MAX. CURRENT : 1.5A
- 5) ENVIRONMENTAL :
 PROTECTION CLASS RJ45 : IP20
 PROTECTION CLASS M12 : IP67 in mated and locked position
 OPERATING TEMPERATURE : -25°C TO +85°C
- 6) WRAP LABEL IS MARKED WITH P/N DATE CODE,
 VOLTAGE & AMPERAGE.
- 7) ASSEMBLY IS RoHS COMPLIANT.

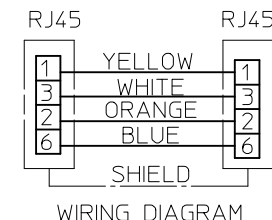
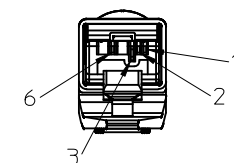
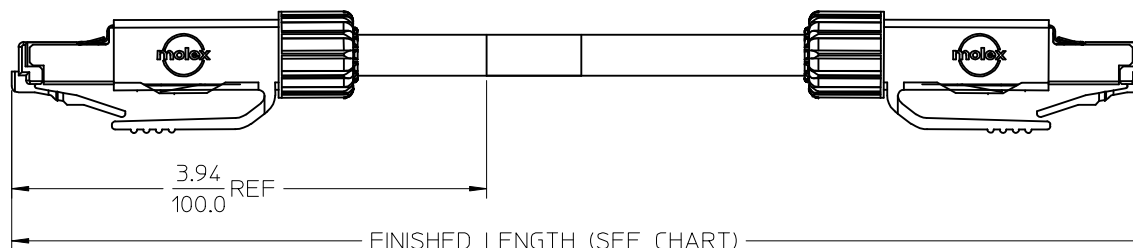
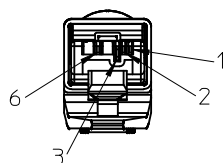
BOM

8	1	LABEL WRAP	VINYL	YELLOW
7	1	RJ45 Push Pull Plug Connector	-	-
6	1	M12 SHIELD SLEEVE	BRASS	NICKEL PLATED
5	1	COUPLING NUT M12 MA	BRASS	NICKEL PLATED
4	4	CONTACT 10 MA	BRONZE	GOLD OVER NICKEL PLATED
3	1	INSERT M12 MA 4P DC	PUR	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 2x2x22AWG	PUR	GREEN
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

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															
		DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE AND STDS UPDATED											
mm		1:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL		± 0.5 °															
4 PLACES		±															
DIVISIONAL SYMBOLS		3 PLACES		±		EC NO: 672185				2021/07/22							
		2 PLACES		± 0.13		DRWN: MDHARMANTI				2021/09/20							
		1 PLACE		± 0.25		CHK'D: RSILLER				2021/09/20							
		0 PLACES		±		APPR: RSILLER											
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		120108		SEE MATRIX		GENERAL MARKET		1 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/20	12:58:23
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NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #22/4 SHIELDED PUR
- 4) ELECTRICAL DATA:
ACCORDING TO CAT5e ETHERNET STANDARD
MAX. VOLTAGE: 30V
MAX. CURRENT 1.5A
- 5) ENVIRONMENTAL:
PROTECTION IP67
TEMPERATURE RANGE: -20°C TO 60°C
- 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE.
- 7) ASSEMBLY IS RoHS COMPLIANT.

ADDITIONAL CABLE PARAMETERS

PHYSICAL CHARACTERISTICS:	
CONDUCTOR PAIR SIZE	#22 (7 X #30) BARE COPPER ALLOY
WIRE CROSS SECTION	0.34mm ² (NOM)
INSULATION TYPE	POLYOLEFIN INSULATION
FOIL SHIELD	PLASTIC/ALUMINIUM FOIL WITH FOIL OUT
BRAID SHIELD	TINNED COPPER BRAID WITH MIN. 85% COVERAGE
OUTSIDE DIAMETER	Ø 6.7mm (.264")
JACKET INSULATION	GREEN PUR
PROFINET CABLE STYLE	TYPE C

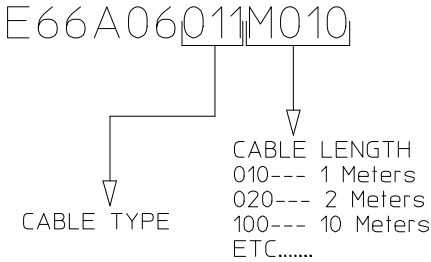
ENVIRONMENTAL CHARACTERISTICS:		MECHANICAL CHARACTERISTICS FOR C-TRACK APPLICATIONS:	
FLAME RESISTANCE	FT1 APPROVED	MIN. BENDING RADIUS	15xCABLE DIAMETER
AGENCY CERTIFICATIONS	UL AND CSA	OPERATING WAY	5M OF TRAVEL
OPERATION TEMPERATURE	-20°C TO 60°C	SPEED	200M/Min.
STORAGE TEMPERATURE	-40°C TO 80°C	MAX. C-TRACK CYCLES	5 MILLION
HALOGEN FREE	IEC 60754-1	ACCELERATION	MAX. 2m/s
SILICONE FREE	YES	WELD SLAG RESISTANCE	NO TEST RESULTS AVAILABLE
CFC-FREE	YES		

IMPRINT: X N X 2x2xAWG22/7-9H(ST)C11Y INDUSTRIAL ETHERNET
PROFINET TYP C E48408 cULus AWM STYLE 20236
AWM I/II A/B 80°C 30 V FT1

1	LABEL	PLASTIC FILM	BLACK/YELLOW
2	RJ45 PLUG	N/A	BLACK
1	ETHERNET CABLE-CAT5E	PUR JACKET	GREEN
QTY.	DESCRIPTION	MATERIAL	FINISH

ADDED PART NO. TABLE EC NO: IPG2015-2010 DRAWING: GUSTAFSON 2015/05/22 CHKD: BARDEN 2015/07/16 APPR: BWOODMAN 2015/06/09	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:50	DESIGN UNITS INCH	THIRD ANGLE PROJECTION ⊙ □			
				mm	INCH	DRAWN BY BRUPERT	DATE 2011/11/28	TITLE ENET MMJ RJ45/RJ45				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± .005							
			2 PLACES	± 0.13	± .010	APPROVED BY JFMURPHY		DATE 2012/04/17		molex MOLEX INCORPORATED		
			1 PLACE	± 0.25	± .020							
			ANGULAR ±1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 2		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE B		SEE CHART SD-120108-044				
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

MATERIAL NO.	ENGINEERING NO.
1201088119	E66A06011C650
1201080207	E66A06011M005
1201080267	E66A06011M010
1201080202	E66A06011M020
1201080269	E66A06011M030
1201080270	E66A06011M040
1201080271	E66A06011M050
1201080272	E66A06011M060
1201080128	E66A06011M070
1201080129	E66A06011M090
1201080273	E66A06011M100
1201088112	E66A06011M120
1201080274	E66A06011M150
1201080275	E66A06011M200
1201080276	E66A06011M250
1201080277	E66A06011M300
1201088113	E66A06011M400
1201080278	E66A06011M500
1201088114	E66A06011M600
1201088248	E66A06011M700
1201088115	E66A06011M800
1201088197	E66A06011M900



ADDED PART NO. TABLE EC NO: IPG2015-2010 DRAWN: GUSTAFSON 2015/05/22 CHKD: BARDEN 2015/07/16 APPR: BWOODMAN 2015/06/09	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 1:50	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
							DRAWN BY BRUPERT		DATE 2011/11/28	TITLE ENET MMJ RJ45/RJ45			
							CHECKED BY		DATE				
							APPROVED BY JFMURPHY		DATE 2012/04/17	molex			
							MATERIAL NO.		DOCUMENT NO. SD-120108-044			SHEET NO. 2 OF 2	
				ANGULAR ±1/2°			SEE CHART						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
							SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				