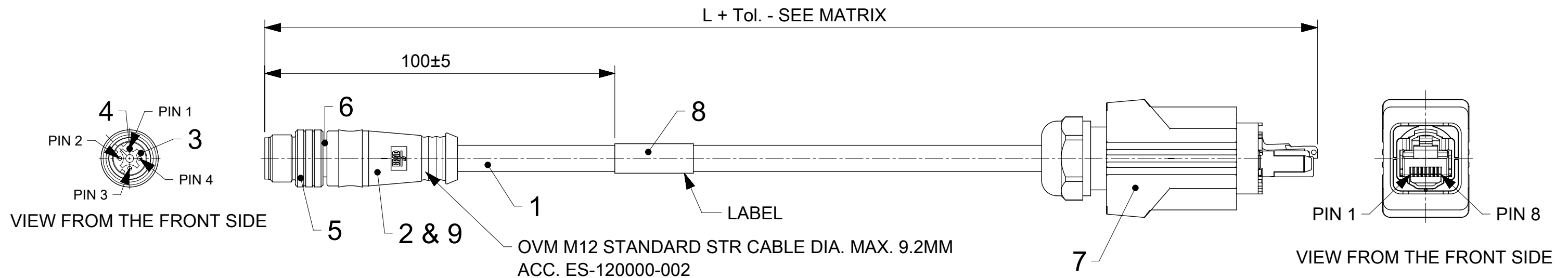
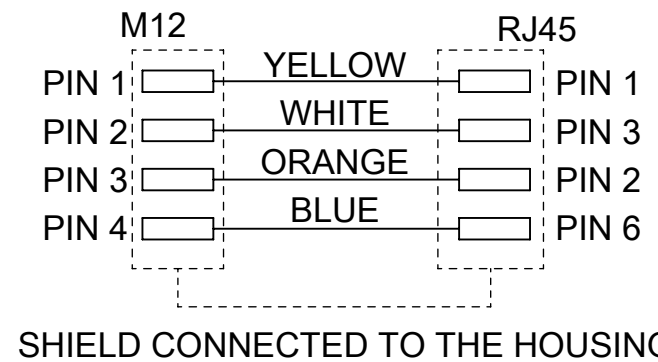


PART No MATRIX

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 characters to specific 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**: 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															
= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE AND STDS UPDATED				molex							
= 0		mm		1:1													
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± 0.5°															
DIVISIONAL SYMBOLS		4 PLACES		±						EC NO: 672185				M12-4P(D)-MM-ST/PUSHPULL RJ XM			
		3 PLACES		±		DRWN: MDHARMANTI 2021/07/22				PRODUCT CUSTOMER DRAWING							
		2 PLACES		± 0.13		CHK'D: RSILLER 2021/09/20											
		1 PLACE		± 0.25		APPR: RSILLER 2021/09/20											
		0 PLACES		±		INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						DRWN: MDHARMANTI 2021/07/22				1201080204		PSD		000		A	
						APPR: RSILLER 2021/09/20											
		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	

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F

F

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 6.8mm (.267")
JACKET INSULATION	GREEN PUR
PROFINET CABLE STYLE	TYPE C

E

E

MECHANICAL CHARACTERISTICS FOR C-TRACK APPLICATIONS:	
MIN. BENDING RADIUS	15xCABLE DIAMETER
OPERATING WAY	5M OF TRAVEL
SPEED	200M/min.
MAX. C-TRACK CYCLES	5 MILLION
ACCELERATION	MAX. 2m/s

D

D

ENVIRONMENTAL CHARACTERISTICS:	
FLAME RESISTANCE	FT2
AGENCY CERTIFICATIONS	UL AND USA
OPERATION TEMPERATURE	-20°C TO 60°C
STORAGE TEMPERATURE	-40°C TO 80°C
HALOGEN FREE	IEC 60754-1
SILICONE FREE	YES
CFC-FREE	YES

C

C

IMPRINT: x N x 2x2xAWG 22/7-9H(ST)C11Y INDUSTRIAL ETHERNET
PROFINET TYP C E48408 cULus AWM STYLE 20236
AWM I/II A/B 80C 30 V FT1

B

B

PART LIST

MOLEX PN	DESCRIPTION
1201080204	M12-4P(D)-MM-ST/PUSHPULL RJ 2M
1201080208	M12-4P(D)-MM-ST/PUSHPULL RJ 20M
1201080209	M12-4P(D)-MM-ST/PUSHPULL RJ 23M
1201080210	M12-4P(D)-MM-ST/PUSHPULL RJ 25M
1201080211	M12-4P(D)-MM-ST/PUSHPULL RJ 30M
1201080212	M12-4P(D)-MM-ST/PUSHPULL RJ 35M
1201080214	M12-4P(D)-MM-ST/PUSHPULL RJ 1M
1201080215	M12-4P(D)-MM-ST/PUSHPULL RJ .5M
1201080216	M12-4P(D)-MM-ST/PUSHPULL RJ 5M
1201080217	M12-4P(D)-MM-ST/PUSHPULL RJ 4M
1201080279	M12-4P(D)-MM-ST/PUSHPULL RJ 8M
1201080299	M12-4P(D)-MM-ST/PUSH PULL RJ45 3M
1201088124	M12-4P(D)-MM-ST/PUSHPULL RJ 6M
1201088125	M12-4P(D)-MM-ST/PUSHPULL RJ 7M
1201088126	M12-4P(D)-MM-ST/PUSHPULL RJ 9M
1201088127	M12-4P(D)-MM-ST/PUSHPULL RJ 15M
1201088656	M12-4P(D)-MM-ST/PUSHPULL RJ 10M

A

A

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)		EC NO: 672185 DRWN: MDHARMANTI 2021/07/22 CHK'D: RSILLER 2021/09/20 APPR: RSILLER 2021/09/20 INITIAL REVISION: DRWN: MDHARMANTI 2021/07/22 APPR: RSILLER 2021/09/20		M12-4P(D)-MM-ST/PUSHPULL RJ XM					
	ANGULAR TOL ± 0.5°									
	4 PLACES	±								
	3 PLACES	±								
	2 PLACES	± 0.13								
	1 PLACE	± 0.25	PRODUCT CUSTOMER DRAWING							
	0 PLACES	±								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION					DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
				A3-SIZE	120108		GENERAL MARKET	2 OF 2		

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