

PART No. MATRIX

E 2 6 E 0 6 0 2 1 M X X X X

E=ETHERNET/
Ethernet

HEADS:
2 = M12 x Coding
6 = RJ45

HEADS STYLE:
060 = MALE STR / MALE STR

CABLE TYPE :
CABLE 21

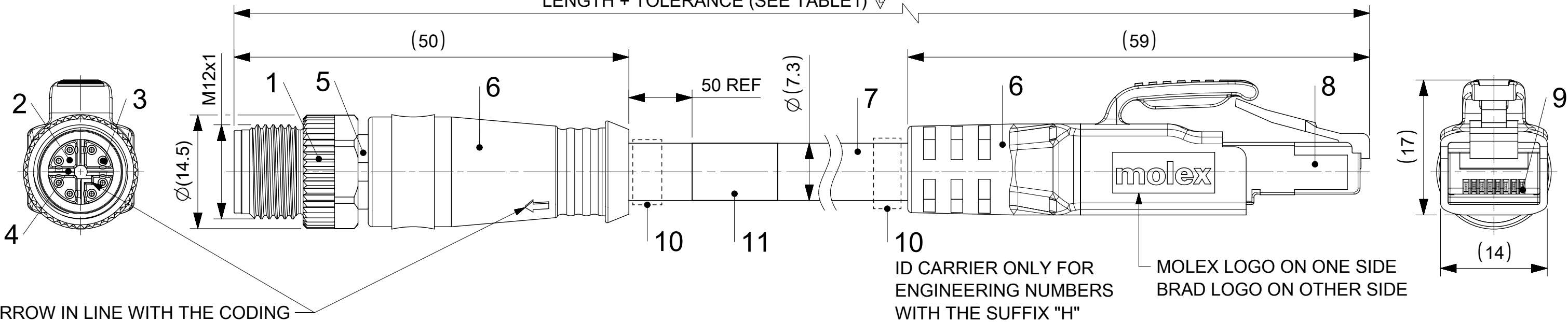
UNITS:
M= METER
T= 10xMETER

LENGTH EXAMPLES:
005=0.5 m
010=1 m
150=15 m
T100=100 m

H= 2 PCS. OF I/D Carrier

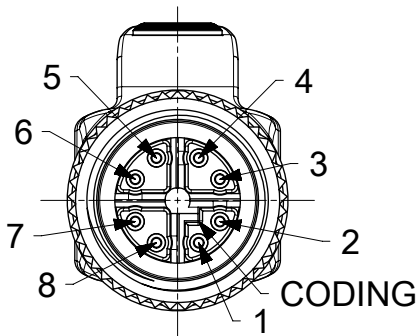
WIRING TYPE:
E=8 Pole (STRAIGHT WIRED)

LENGTH + TOLERANCE (SEE TABLE1)

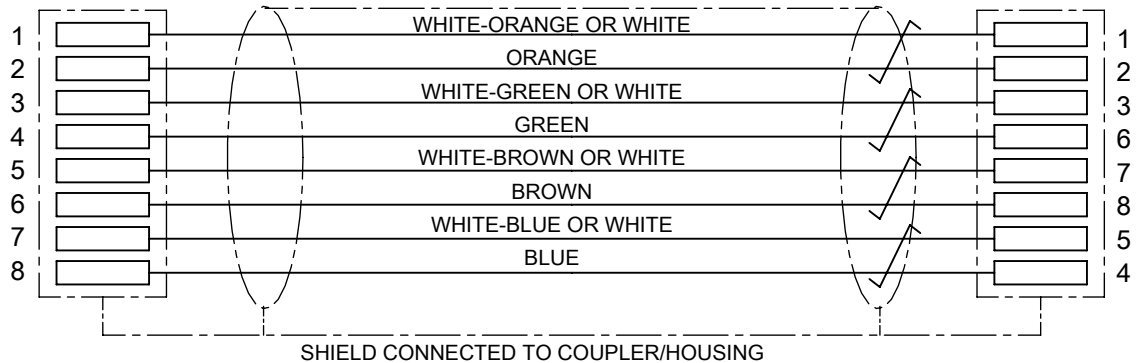


ARROW IN LINE WITH THE CODING
BRAD LOGO ON OTHER SIDE

M12 X-CODE
MALE
FRONT VIEW



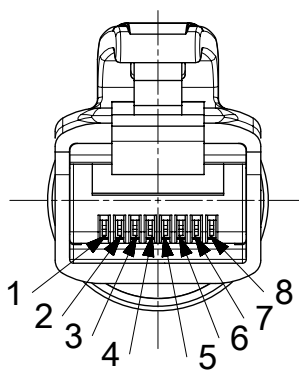
M12 X-CODE
MALE



SHIELD CONNECTED TO COUPLER/HOUSING

RJ45 PLUG

RJ45 PLUG
FRONT VIEW



SCALE 1:2

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	COUPLING NUT	BRASS	Ni PLATED
2	1	INSERT	PA	BLACK
3	8	CONTACT M12 XC MALE	BRASS	Au PLATED
4	1	SHIELDING CROSS	Zn DIE-CAST	-
5	1	SHIELDING SHELL	BRASS	Ni PLATED
6	-	OVERMOULD	TPU	BLACK
7	1	CABLE 4X(2X AWG26/7) CAT 7	TPE	GREEN TEAL SIMILAR RAL6026
8	1	PLUG RJ45	-	-
9	8	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE Au PLATED
10	SEE PN MATRIX	ID CARRIER	PVC	TRANSPARENT
11	1	LABEL 2.0X1.75	VINYL	YELLOW

DOCUMENT STATUS P1 RELEASE DATE 2024/03/21 10:35:14

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CABLE COLOR UPDATED		molex	
	DIMENSION UNITS	SCALE	GENERAL TOLERANCES (UNLESS SPECIFIED)		CSE M12 CAT6A RJ45 8P MA STR TPE XM SHLD	
$\nabla A = 0$	mm	2:1	ANGULAR TOL	$\pm 1.0^\circ$	EC NO: 780754	
$\nabla E = 1$			4 PLACES	$\pm$	DRWN: RSCHIEBER 2024/03/20	
$\nabla F = 0$			3 PLACES	$\pm$	CHK'D: RSILLER 2024/03/21	
DIVISIONAL SYMBOLS			2 PLACES	± 0.05	APPR: RSILLER 2024/03/21	
			1 PLACE	± 0.3	INITIAL REVISION:	
			0 PLACES	± 0.5	DRWN: RSCHIEBER 2019/05/14	
					APPR: RSILLER 2021/03/16	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	DOCUMENT NUMBER
				A3-SIZE	120341	1203410874
						DOC TYPE DOC PART REVISION
						PSD 000 A6
						MATERIAL NUMBER CUSTOMER SHEET NUMBER
						SEE TABLE 1 GENERAL MARKET 1 OF 2

10	9	8	7	6	5	4	3	2	1										
TABLE 1																			
MOLEX P/N				ENGINEERING NO.		DESCRIPTION			LENGTH										
1203410874				E26E06021M005		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			500										
1203410875				E26E06021M010		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			1000										
1203410876				E26E06021M020		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			2000										
1203410877				E26E06021M030		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			3000										
1203410878				E26E06021M040		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			4000										
1203410879				E26E06021M050		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			5000										
1203410880				E26E06021M060		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			6000										
1203410897				E26E06021M070		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			7000										
1203410881				E26E06021M080		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			8000										
1203410898				E26E06021M090		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			9000										
1203410882				E26E06021M100		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			10000										
1203410883				E26E06021M150		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			15000										
1203410884				E26E06021M200		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026			20000										
WITH ID CARRIER																			
1203411039				E26E06021M010H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			1000										
1203411040				E26E06021M020H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			2000										
1203411041				E26E06021M030H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			3000										
1203411042				E26E06021M040H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			4000										
1203411043				E26E06021M050H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			5000										
1203411095				E26E06021M060H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			6000										
1203411097				E26E06021M080H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			8000										
1203411096				E26E06021M070H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			7000										
1203411004				E26E06021M100H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			10000										
1203411098				E26E06021M120H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			12000										
1203411005				E26E06021M150H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			15000										
1203411044				E26E06021M200H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			20000										
1203411099				E26E06021M250H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			25000										
1203411045				E26E06021M300H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			30000										
1203411046				E26E06021M350H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			35000										
1203411047				E26E06021M400H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			40000										
1203410989				E26E06021M450H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			45000										
1203411048				E26E06021M500H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			50000										
1203411049				E26E06021M550H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			55000										
1203410990				E26E06021M600H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			60000										
1203410991				E26E06021M650H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			65000										
1203410992				E26E06021M700H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			70000										
1203411050				E26E06021M750H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			75000										
1203410993				E26E06021M800H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			80000										
1203410994				E26E06021M850H		M12 CAT6A M/RJ45 ST/ST TPE GREEN TEAL SIMILAR RAL6026 ID			85000										
NOTES:																			
VOLTAGE RATING: 30 V A.C. OR 42 V D.C.																			
CURRENT RATING: 0.5 A																			
TEMPERATURE RATING:																			
STATIC: -40 °C TO 80 °C																			
DYNAMIC: -25 °C TO 80 °C																			
IP RATING:																			
M12 SIDE IP 67 (IN MATED AND LOCKED CONDITION)																			
RJ45 SIDE IP 20																			
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS E _A CHANNEL,																			
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS $\leq$ 1 m OR $\geq$ 65 m																			
POWER TRANSMISSION TEST ACCORDING IEEE802.3bt UP TO 65m LENGTH																			
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG																			
<table><tr><td>DOCUMENT STATUS</td><td>P1</td><td>RELEASE DATE</td><td>2024/03/21</td><td>10:35:14</td><td></td><td></td><td></td><td></td><td></td></tr></table>										DOCUMENT STATUS	P1	RELEASE DATE	2024/03/21	10:35:14					
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10	9	8	7	6	5	4	3	2	1										

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

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	FUNCTIONAL SYMBOLS	SCALE					
	mm	1:1					
	GENERAL TOLERANCES (UNLESS SPECIFIED)						
	ANGULAR TOL	± 1.0 °					
	4 PLACES	±					
	3 PLACES	±					
DIVISIONAL SYMBOLS	CURRENT REV DESC: CABLE COLOR UPDATED						
	EC NO: 780754						
	DRWN: RSCHIEBER	2024/03/20					
	CHK'D: RSILLER	2024/03/21					
	APPR: RSILLER	2024/03/21					
	INITIAL REVISION:						
	DRWN: RSCHIEBER	2019/05/14					
APPR: RSILLER		2021/03/16					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	120341	SEE TABLE 1	GENERAL MARKET	2 OF 2