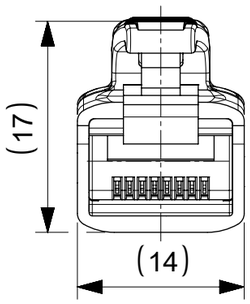
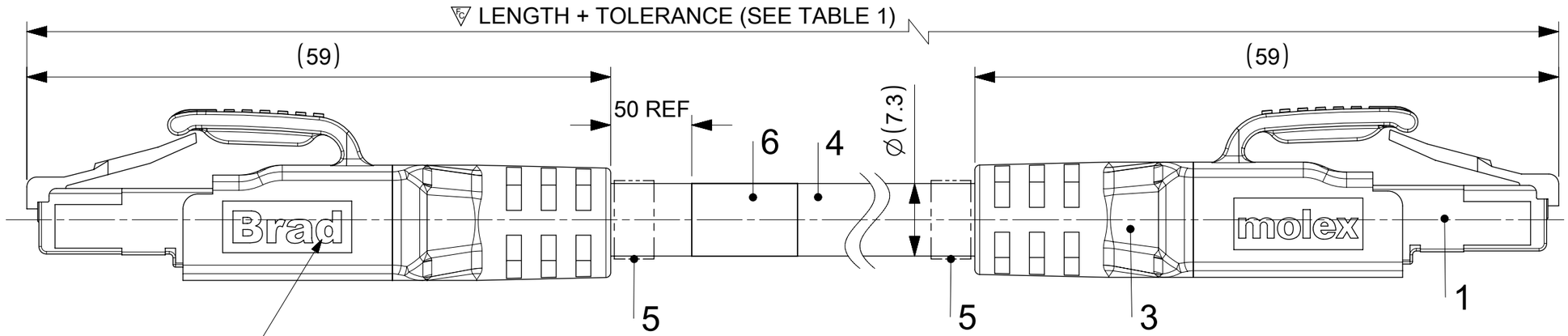
PART No. MATRIX

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

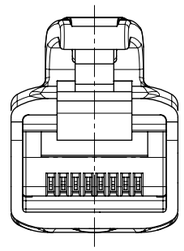
- E=ETHERNET/ Ethernet
- HEADS: 6 = RJ45
- WIRING TYPE: E=8 Pole (STRAIGHT WIRED)
- HEADS STYLE: 060 = MALE STR / MALE STR
- CABLE TYPE : CABLE 21
- UNITS: M= METER T= 10xMETER
- LENGTH EXAMPLES: 005=0.5 m 010=1 m 150=15 m T100=100 m
- H= 2 PCS. OF I/D Carrier

RJ45 PLUG FRONT VIEW





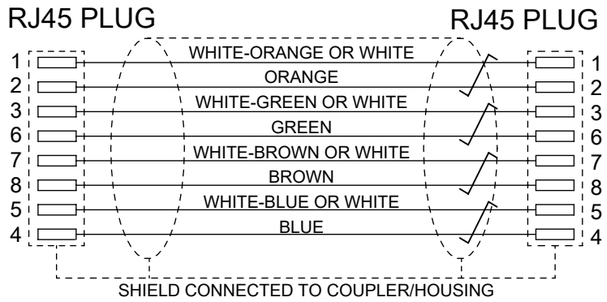
RJ45 PLUG FRONT VIEW



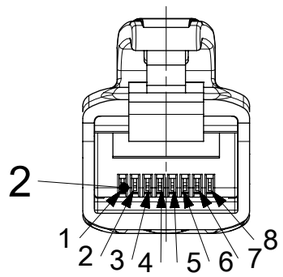
MOLEX LOGO ON ONE SIDE
BRAD LOGO ON OTHER SIDE

ID CARRIER ONLY FOR ENGINEERING NUMBERS WITH THE SUFFIX "H"

WIRING DIAGRAM



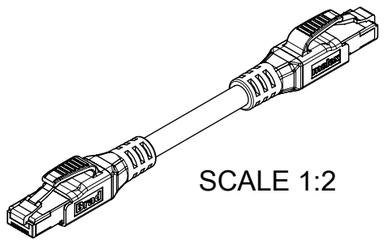
RJ45 PLUG FRONT VIEW



BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	2	PLUG RJ45 PLUG	-	-
2	16	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE Au PLATING
3	-	OVERMOLD	TPU	BLACK
4	1	CABLE 4X(2X AWG26/7) CAT 7	TPE	GREEN TEAL SIMILAR RAL6026
5	SEE PN MATRIX	ID CARRIER	PVC	TRANSPARENT
6	1	LABEL 2.0X1.75	VINYL	YELLOW

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



SCALE 1:2

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FUNCTIONAL SYMBOLS: FA = 0, FC = 1, FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	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: 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: MDHARMANTI 2019/11/25
APPR: RSILLER 2021/03/16

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120341

molex

RJ45 CAT6A ST/ST TPE XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203410911	PSD	000	A5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 1	GENERAL MARKET	1 OF 2

FORMAT: master-Sealed-A3
REVISION: J
DATE: 2020/01/16

TABLE 1

MOLEX P/N	ENGINEERING NO.	DESCRIPTION	LENGTH (mm)
1203410924	E66E06021M002	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.2M	200
1203410925	E66E06021M005	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.5M	500
1203410911	E66E06021M010	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 1M	1000
1203410926	E66E06021M020	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 2M	2000
1203410927	E66E06021M030	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 3M	3000
1203410928	E66E06021M040	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 4M	4000
1203410929	E66E06021M050	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 5M	5000
1203410930	E66E06021M100	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 10M	10000
1203410931	E66E06021M150	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 15M	15000
1203410932	E66E06021M200	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 20M	20000
1203410933	E66E06021M300	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 30M	30000
1203410912	E66E06021M360	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 36M	36000
WITH ID CARRIER			
1203410995	E66E06021M010H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 1M ID	1000
1203410996	E66E06021M020H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 2M ID	2000
1203411006	E66E06021M030H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 3M ID	3000
1203411014	E66E06021M050H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 5M ID	5000
1203410997	E66E06021M100H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 10M ID	10000
1203410998	E66E06021M250H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 25M ID	25000
1203411051	E66E06021M040H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 4M ID	4000
1203411052	E66E06021M060H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 6M ID	6000
1203411053	E66E06021M070H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 7M ID	7000
1203411054	E66E06021M080H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 8M ID	8000
1203411055	E66E06021M120H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 12M ID	12000
1203411056	E66E06021M150H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 15M ID	15000
1203411057	E66E06021M200H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 20M ID	20000
1203411058	E66E06021M300H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 30M ID	30000
1203411059	E66E06021M350H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 35M ID	35000
1203411060	E66E06021M400H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 40M ID	40000
1203411061	E66E06021M450H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 45M ID	45000
1203411062	E66E06021M500H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 50M ID	50000
1203411063	E66E06021M550H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 55M ID	55000
1203411064	E66E06021M600H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 60M ID	60000
1203411065	E66E06021M650H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 65M ID	65000
1203411066	E66E06021M700H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 70M ID	70000
1203411067	E66E06021M750H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 75M ID	75000
1203411068	E66E06021M800H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 80M ID	80000
1203411069	E66E06021M850H	RJ45 CAT6A ST/ST TPE GREEN TEAL SIMILAR RAL6026 85M 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: IP 20
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS E_A CHANNEL,
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS ∠1 m OR ∟65 m
PRODUCT POE++ PERFORMANCED TESTED UP TO 65m LENGTH
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

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

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

FUNCTIONAL SYMBOLS: EA = 0, EC = 0, EP = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm — SCALE: 1:1
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: 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: MDHARMANTI 2019/11/25
APPR: RSILLER 2021/03/16

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120341

molex

RJ45 CAT6A ST/ST TPE XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203410911	PSD	000	A5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 1	GENERAL MARKET	2 OF 2

FORMAT: master Stamped A3
REVISION: J
DATE: 2020/01/14