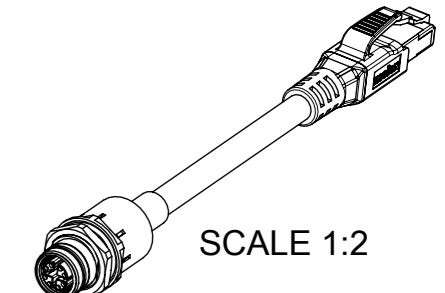


**BILL OF MATERIAL**

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	SHELL M12 XC FE	BRASS	Ni PLATED
2	1	PLUG RJ45	-	-
3	1	INSERT M12 XC FE	PA	BLACK
4	8	CONTACT M12 XC FE	BRASS	Au PLATED
5	1	LOCKNUT	BRASS	Ni PLATED
6	1	CABLE 4X(2X AWG26/7) CAT 7	TPE	GREEN TEAL SIMILAR RAL6026
7	1	SHIELD SLEEVE	BRASS	Ni PLATED
8	1	OVERMOULD	TPU	BLACK
9	8	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE GOLD
10	1	O-RING	FPM	RED
11	1	O-RING SHELL	EPDM	BLACK
12	-	ID CARRIER	PVC	TRANSPARENT
13	1	LABEL 2.0X1.75	VINYL	YELLOW



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		<b>molex</b>			
	DIMENSION UNITS: <b>mm</b> SCALE: <b>2:1</b> GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°	EC NO: 780754 DRWN: RSCHIEBER 2024/03/20 CHK'D: RSILLER 2024/03/21 APPR: RSILLER 2024/03/21					
	DIVISIONAL SYMBOLS: 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5	INITIAL REVISION: DRWN: RSCHIEBER 2019/05/14 APPR: RSILLER 2020/12/09		PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER: <b>1203410890</b> DOC TYPE: PSD DOC PART: 000 REVISION: <b>A8</b>	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: <b>A3-SIZE</b>	SERIES: <b>120341</b>	MATERIAL NUMBER: SEE TABLE 1	CUSTOMER: GENERAL MARKET	SHEET NUMBER: 1 OF 2

TABLE 1

MOLEX P/N	ENGINEERING NO.	DESCRIPTION	LENGTH (mm)
1203410890	ERWPEU7021M005	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 0.5M	500
1203410891	ERWPEU7021M010	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 1M	1000
1203410892	ERWPEU7021M020	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 2M	2000
1203410958	ERWPEU7021M030	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 3M	3000
1203410959	ERWPEU7021M040	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 4M	4000
1203410893	ERWPEU7021M050	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 5M	5000
1203410894	ERWPEU7021M100	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 10M	10000
WITH ID CARRIER			
1203411009	ERWPEU7021M004H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 0.4M	400
1203411010	ERWPEU7021M005H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 0.5M	500
1203411011	ERWPEU7021M006H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 0.6M	600
1203411012	ERWPEU7021M010H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 1M	1000
1203411013	ERWPEU7021M020H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 2M	2000
1203411070	ERWPEU7021M030H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 3M	3000
1203411071	ERWPEU7021M040H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 4M	4000
1203411072	ERWPEU7021M050H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 5M	5000
1203411073	ERWPEU7021M060H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 6M	6000
1203411074	ERWPEU7021M070H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 7M	7000
1203411075	ERWPEU7021M080H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 8M	8000
1203411076	ERWPEU7021M100H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 10M	10000
1203411077	ERWPEU7021M120H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 12M	12000
1203411078	ERWPEU7021M150H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 15M	15000
1203411079	ERWPEU7021M200H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 20M	20000
1203411080	ERWPEU7021M250H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 25M	25000
1203411081	ERWPEU7021M300H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 30M	30000
1203411082	ERWPEU7021M350H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 35M	35000
1203411083	ERWPEU7021M400H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 40M	40000
1203411084	ERWPEU7021M450H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 45M	45000
1203411085	ERWPEU7021M500H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 50M	50000
1203411086	ERWPEU7021M550H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 55M	55000
1203411087	ERWPEU7021M600H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 60M	60000
1203411088	ERWPEU7021M650H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 65M	65000
1203411089	ERWPEU7021M700H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 70M	70000
1203411090	ERWPEU7021M750H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 75M	75000
1203411091	ERWPEU7021M800H	M12 CAT6A REC-F/RJ45 ST TPE GREEN TEAL SIMILAR RAL6026 80M	80000

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<sub>A</sub> CHANNEL,


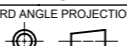
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS <1 m OR >65 m

POWER TRANSMISSION TEST ACCORDING IEEE802.3bt 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

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	
$\nabla_A = 0$	DIMENSION UNITS	SCALE	 REC M12 CAT6A RJ45 8P FE STR TPE XM PRODUCT CUSTOMER DRAWING	
$\nabla_E = 0$	mm	1:1		
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
DIVISIONAL SYMBOLS	ANGULAR TOL	± 1.0 °	EC NO: 780754	2024/03/20
	4 PLACES	±	DRWN: RSCHIEBER	2024/03/21
	3 PLACES	±	CHK'D: RSILLER	2024/03/21
	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	2020/12/09
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A3-SIZE	120341
		MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		1203410890	GENERAL MARKET	2 OF 2