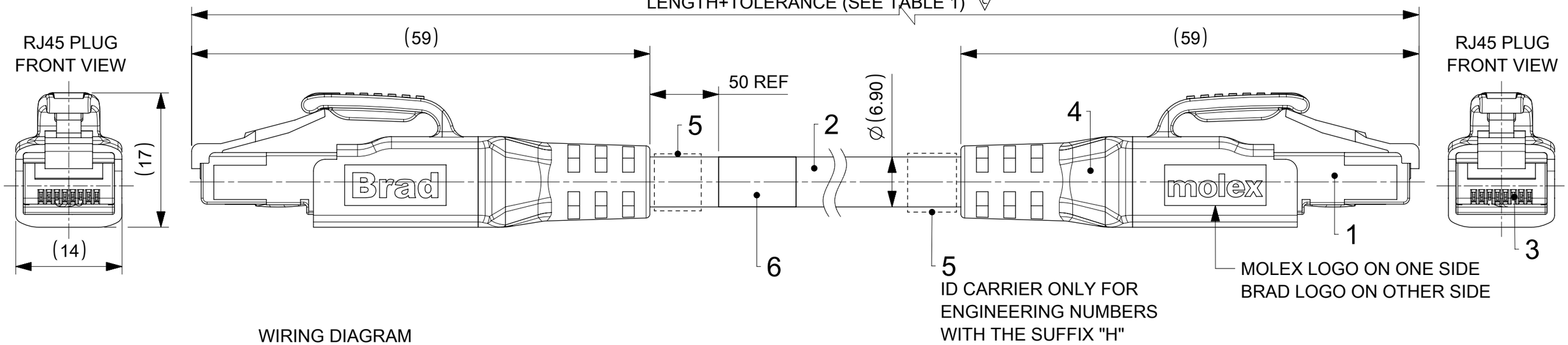
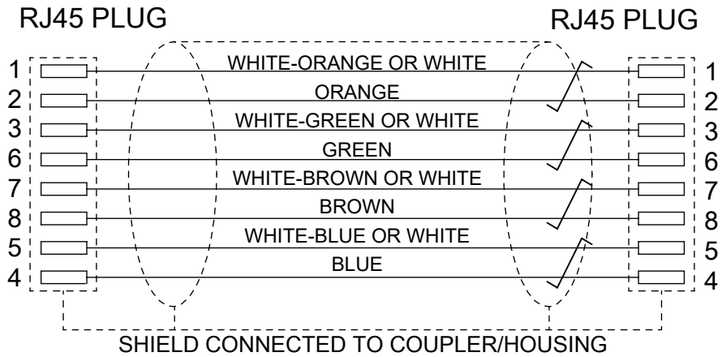
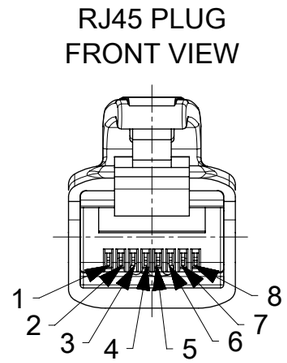
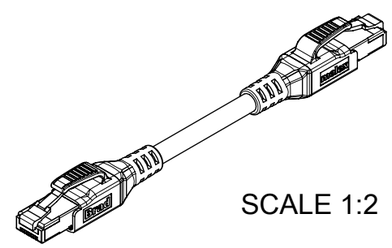


WIRING DIAGRAM





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: -20 °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



SCALE 1:2

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	2	RJ45-PLUG 8P8C SHLD LONG BODY	-	-
2	1	CABLE 4X2X26/7AWG DIA 6.9	PUR	GREEN
3	16	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE Au PLATED
4	-	OVERMOLD	TPU	BLACK
5	2	I/D CARRIER 6-10mmx30mm	PVC	TRANSPARENT
6	1	LABEL 2.0X1.75	VINYL	YELLOW

DOCUMENT STATUS | P1 | RELEASE DATE | 2023/08/29 13:52:05

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: E_A = 0, E_C = 1, E_P = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 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: ADD POE NOTE
EC NO: 760691
DRWN: MBLOESER 2023/07/12
CHK'D: RSILLER 2023/08/29
APPR: RSILLER 2023/08/29
INITIAL REVISION:
DRWN: MDHARMANTI 2019/10/10
APPR: RSILLER 2019/10/15

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

molex

CSE RJ45 CAT6A 8P STR PUR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203410600	PSD	000	A6

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

FORMAT: molex_tb_tmpl_A3
REVISION: J
DATE: 2020/01/14

TABLE 1

MOLEX PN	ENGINEERING NO.	DESCRIPTION	LENGTH [mm]
1203410600	E66E06020M005	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 0.5M	500
1203410601	E66E06020M010	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 1M	1000
1203410602	E66E06020M020	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 2M	2000
1203410603	E66E06020M030	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 3M	3000
1203410604	E66E06020M040	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 4M	4000
1203410605	E66E06020M050	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 5M	5000
1203410606	E66E06020M100	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 10M	10000
1203410607	E66E06020M150	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 15M	15000
1203410960	E66E06020M200	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 20M	20000
1203410862	E66E06020M250	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 25M	25000
1203410961	E66E06020M300	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 30M	30000
1203410962	E66E06020M400	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 40M	40000
1203410963	E66E06020M500	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 50M	50000
1203410909	E66E06020M550	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 55M	55000
1203410964	E66E06020M600	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 60M	60000
1203410910	E66E06020M650	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 65M	65000
1203410965	E66E06020M700	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 70M	70000
1203410966	E66E06020M800	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 80M	80000
1203410934	E66E06020M900	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 90M	90000
WITH ID CARRIER			
1203410608	E66E06020M005H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 0.5M-ID	500
1203410609	E66E06020M010H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 1M-ID	1000
1203410610	E66E06020M020H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 2M-ID	2000
1203410967	E66E06020M030H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 3M-ID	3000
1203410611	E66E06020M050H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 5M-ID	5000
1203410971	E66E06020M060H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 6M-ID	6000
1203410970	E66E06020M080H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 8M-ID	8000
1203410612	E66E06020M100H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 10M-ID	10000
1203410613	E66E06020M150H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 15M-ID	15000
1203410969	E66E06020M170H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 17M-ID	17000
1203410620	E66E06020M200H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 20M-ID	20000
1203410973	E66E06020M250H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 25M-ID	25000
1203410621	E66E06020M300H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 30M-ID	30000
1203410622	E66E06020M400H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 40M-ID	40000
1203410968	E66E06020M460H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 46M-ID	46000
1203410623	E66E06020M500H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 50M-ID	50000
1203410972	E66E06020M530H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 53M-ID	53000
1203410624	E66E06020M600H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 60M-ID	60000
1203410625	E66E06020M700H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 70M-ID	70000
1203410913	E66E06020M800H	CSE RJ45 CAT6A 8P 0C FE STR PUR GREEN 80M-ID	80000

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: FA = 0, FC = 0, FD = 0

DIVISIONAL SYMBOLS

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DIMENSION UNITS	SCALE
mm	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

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

molex

CSE RJ45 CAT6A 8P STR PUR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203410600	PSD	000	A6

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

DOCUMENT STATUS	P1	RELEASE DATE	2023/08/29 13:52:05

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