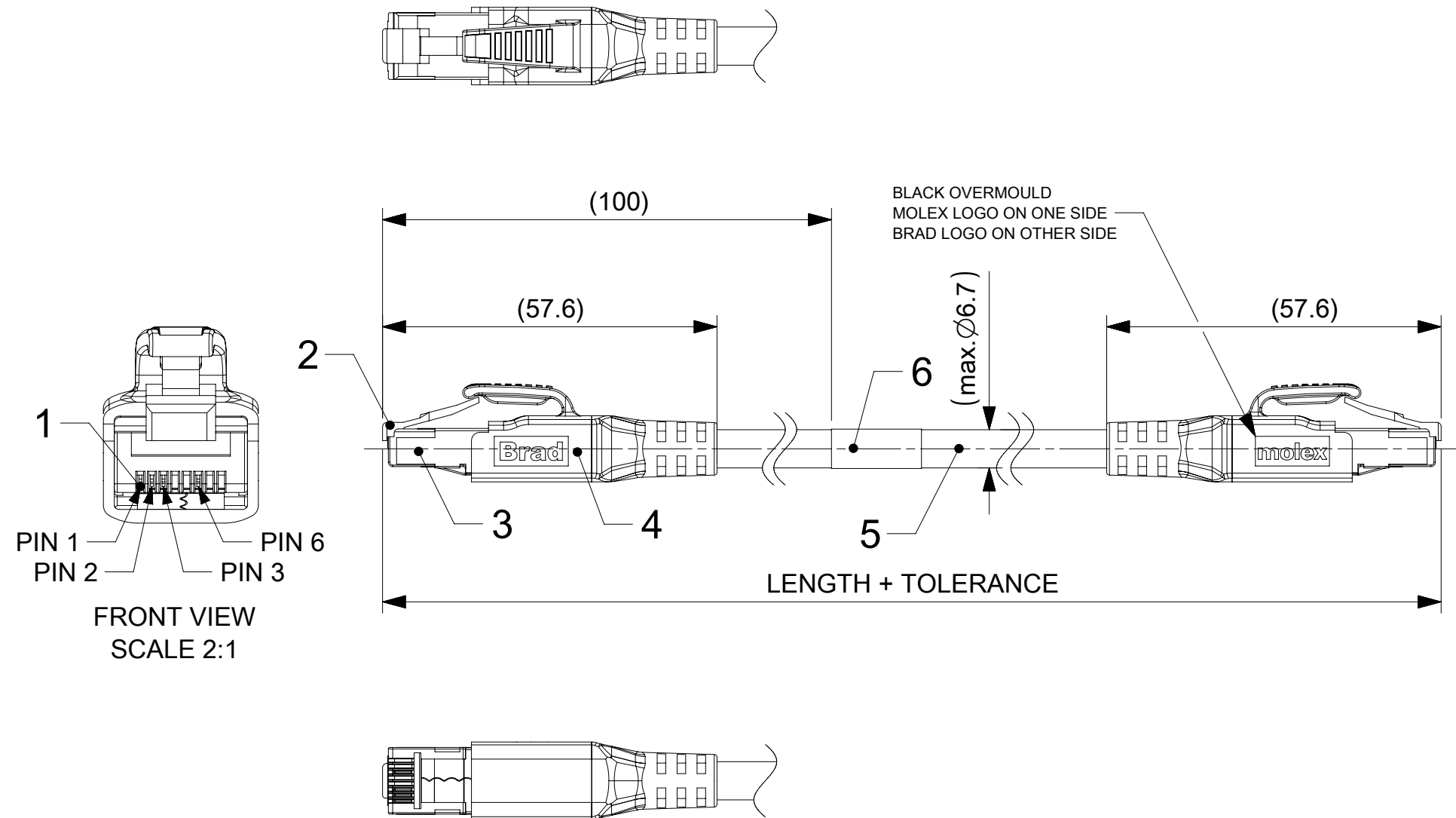
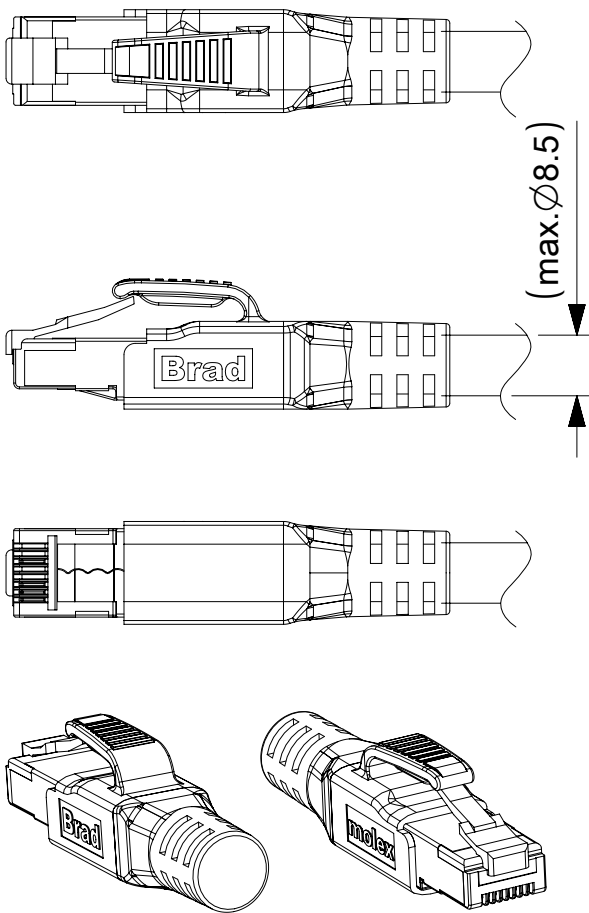


PLUG RJ45 STRAIGHT TO PLUG RJ45 STRAIGHT

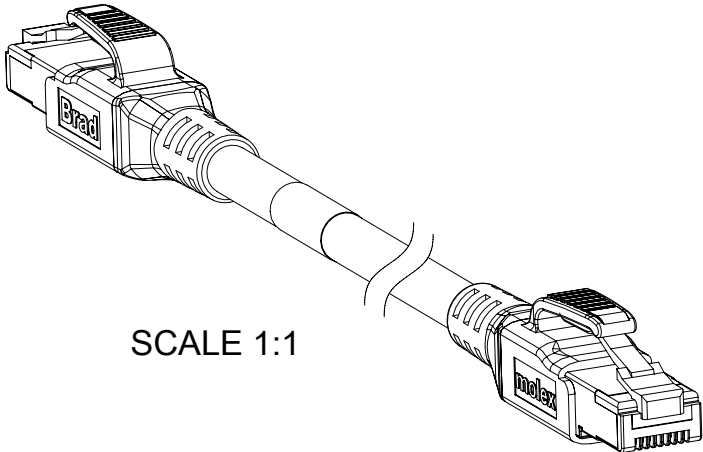
OVERMOLD VIEW FOR CABLES O.D.≤6.7mm



OVERMOLD VIEW FOR CABLES O.D.≥6.7mm



- NOTES:**
1. MATERIALS : SEE BOM TABLE
 2. FINISHES: SEE BOM TABLE
 3. ELECTRICAL DATA:
MAX. VOLTAGE RATING 60 VDC
MAX. CURRENT PER CONTACT 1.5 A
 4. ENVIRONMENTAL PARAMETERS FOR CONNECTOR:
STATIC OPERATING TEMP: -40°C to +85°C
INDEX OF PROTECTION RJ45: IP20
 5. FOR MORE INFORMATION SEE PRODUCT SPECIFIATION 1201080202 PS P00
 6. TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS D CHANNEL



SCALE 1:1

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
1	8 or 16	CONTACT RJ45 MALE	PHOSPHOR BRONZE	SELECTIVE GOLD
2	2	PLUG RJ45 TRANSPARENT	POLYCARBONATE	---
3	2	SHIELD	BRASS	TIN
4	-	OVERMOULDING BLACK	TPU	---
5	-	CABLE	SEE SHEET 2	---
6	1	LABEL	VINYL	---

FUNCTIONAL SYMBOLS DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										molex CSE RJ45 RJ45 8P4C MA STR XM DE						
	DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD CABLE11; REMOVE CABLE12 AND CABLE16												
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 703089 DRWN: MBLOESER2022/03/14 CHK'D: RSILLER2022/05/16 APPR: RSILLER2022/05/16												
	ANGULAR TOL ± 1.0 °																
	4 PLACES		±														
	3 PLACES		±														
	2 PLACES		± 0.05														
	1 PLACE		± 0.3		INITIAL REVISION: DRWN: JMARSZALEK2016/02/08 APPR: RSILLER2021/12/21												
	0 PLACES		± 0.5														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A3-SIZE		120108		1201080202		PSD		000		A1			
										MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										SEE PART LIST		GENERAL MARKET		1 OF 2			

PART No. MATRIX

E

6

6

A

0

6

0

1

2

M

X

X

X

X

E=ETHERNET

HEADS:
6 = RJ45 PLUG
6 = RJ45 PLUG

HEADS STYLE:
060 = MALE STR / MALE STR

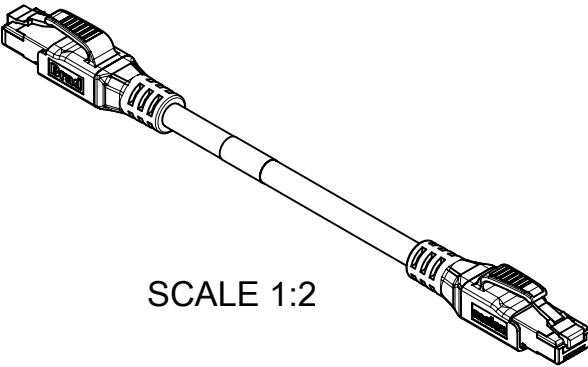
CABLE TYPE:
CABLE 12

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:
A=4 Pole (STRAIGHT WIRED)



SCALE 1:2

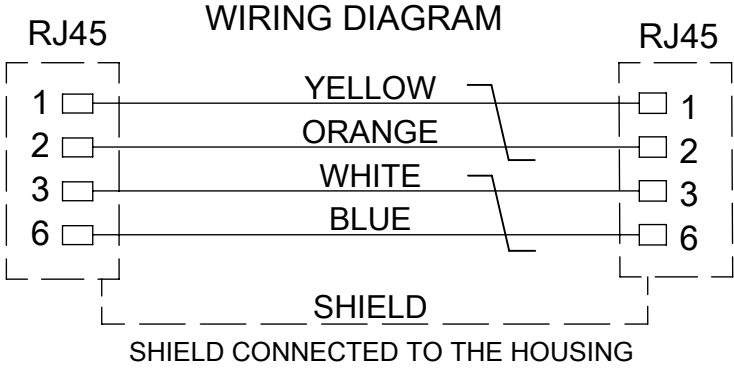
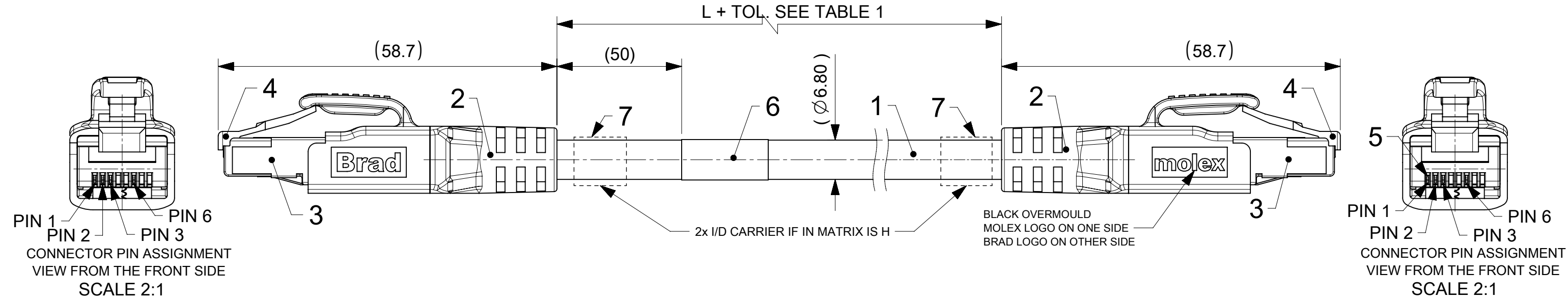


TABLE 2

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

TECHNICAL DATA :
RJ45 to RJ45 CAT5e Cordset AWG22
straight green inline 360° shielded.

Poles : 4
Max. Voltage : 30V A.C. or 42V D.C.
Max. Current : 1.5A
Contact resistance : $\leq 10 \text{ m}\Omega$
Insulation Withstand : $>100 \text{ M}\Omega$
Protection RJ45 / RJ45 : IP20 / IP20
Temparature range : -25°C to 85°C

Transmission characteristics
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C
Packaging :
The cordsets are packed in a polybag.

BOM

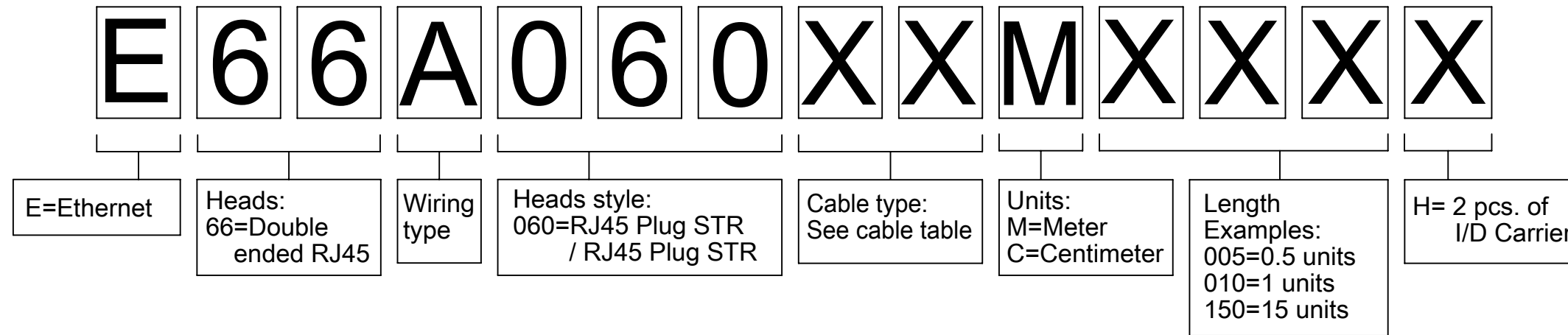
* NOTE : ID CARRIER APPLICABLE, IF ENGINEERING No. HAS "H" (SEE TABLE1)

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
7	2	ID CARRIER	PVC	TRANSPARENT
6	1	LABEL 2.0X1.75	VINYL	YELLOW
5	8	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE GOLD
4	1	PLUG RJ45 TRANSPARENT	PC	-
3	1	SHIELD	BRASS	TIN
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 2x2x22AWG SHIELD	TPU	GREEN

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FP = 0 DIVISIONAL 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: ADD CABLE12; REMOVE CABLE11 AND CABLE16 ADD NEW PN'S			molex								
	mm		3:2													
	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE ETH ETH 4P RJ45 STR WSOR RJ45 XM DE SHLD D6.8 GN PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1201088293 DOC TYPE PSD DOC PART 000 REVISION A1											
	ANGULAR TOL ± °															
	4 PLACES		±								EC NO: 703089			2022/03/10		
	3 PLACES		±								DRWN: MBLOESER			2022/05/16		
	2 PLACES		±								CHK'D: RSILLER			2022/05/16		
	1 PLACE		±		APPR: RSILLER											
	0 PLACES		±		INITIAL REVISION:											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
						A3-SIZE		120108		SEE TABLE 1		GENERAL MARKET		1 OF 2		

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request)

OPTIONS



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	CABLE O.D.	APPLICATION	CROSS SECTION	CABLE JACKET	UL	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	CYCLES	ADITIONAL INFORMATION
12	6.7mm	PROFINET TYPE C	22AWG	TPU BASED GREEN	STYLE 21215	-40°C to +80°C / min.5xO.D.	-25°C to +80°C / min.15xO.D.	about 2M, min.15xO.D., -5°C to +60°C	WSOR

TABLE 1

MOLEX PN	ENGINEERING NO	L [m]
1201088554	E66A06012M003	0.3m
1201088555	E66A06012M006	0.6m
1201088353	E66A06012M010	1m
1201088354	E66A06012M020	2m
1201088355	E66A06012M030	3m
1201088356	E66A06012M040	4m
1201088357	E66A06012M050	5m
1201088358	E66A06012M060	6m
1201088359	E66A06012M080	8m
1201088360	E66A06012M090	9m
1201088361	E66A06012M100	10m
1201088362	E66A06012M120	12m
1201088363	E66A06012M150	15m
1201088364	E66A06012M200	20m
1201088365	E66A06012M250	25m
1201088366	E66A06012M300	30m
1201088367	E66A06012M350	35m
1201088368	E66A06012M400	40m
1201088369	E66A06012M450	45m
1201088370	E66A06012M500	50m
1201088371	E66A06012M550	55m
1201088372	E66A06012M600	60m
1201088373	E66A06012M650	65m
1201088374	E66A06012M700	70m
1201088375	E66A06012M750	75m
1201088376	E66A06012M800	80m

MOLEX PN	ENGINEERING NO	L [m]
1201088393	E66A06012M002H	0.2m
1201088394	E66A06012M005H	0.5m
1201088293	E66A06012M010H	1m
1201088294	E66A06012M020H	2m
1201088300	E66A06012M030H	3m
1201088295	E66A06012M050H	5m
1201088817	E66A06012M060H	6m
1201088815	E66A06012M090H	9m
1201088296	E66A06012M100H	10m
1201088822	E66A06012M120H	12m
1201088297	E66A06012M150H	15m
1201088831	E66A06012M180H	18m
1201088298	E66A06012M200H	20m
1201088827	E66A06012M260H	26m
1201088301	E66A06012M300H	30m
1201088829	E66A06012M350H	35m
1201088302	E66A06012M500H	50m
1201088386	E66A06012M700H	70m
1201088387	E66A06012M900H	90m
1201088395	E66A06012M250H	25m
1201088396	E66A06012M400H	40m
1201088397	E66A06012M600H	60m
1201088818	E66A06012M800H	80m
1201088398	E66A06012M1K0H	100m

A1

A1

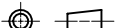
A1

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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: ADD CABLE12; REMOVE CABLE11 AND CABLE16 ADD NEW PN'S					molex											
	mm		1:1																		
	GENERAL TOLERANCES (UNLESS SPECIFIED)					CSE ETH ETH 4P RJ45 STR WSOR RJ45 XM DE SHLD D6.8 GN															
	ANGULAR TOL ± °																				
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 703089 DRWN: MBLOESER 2022/03/10					PRODUCT CUSTOMER DRAWING											
	3 PLACES		±										CHK'D: RSILLER 2022/05/16 APPR: RSILLER 2022/05/16								
	2 PLACES		±		INITIAL REVISION: DRWN: MDHARMANTI 2020/01/30 APPR: RSILLER 2021/06/02					DOCUMENT NUMBER		DOC TYPE						DOC PART	REVISION		
	1 PLACE		±							1201088293					PSD	000	A1				
	0 PLACES		±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER
										A3-SIZE		120108				GENERAL MARKET		2 OF 2			