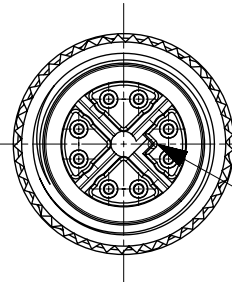


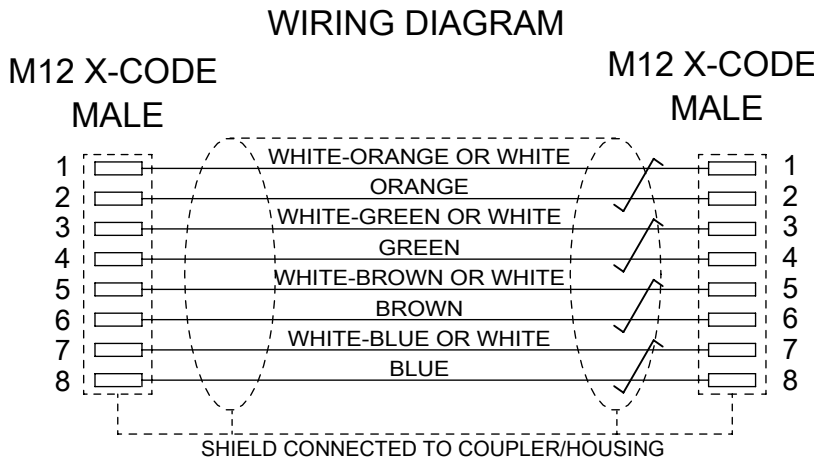
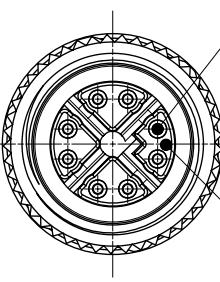
M12 X-CODE
MALE
FRONT VIEW



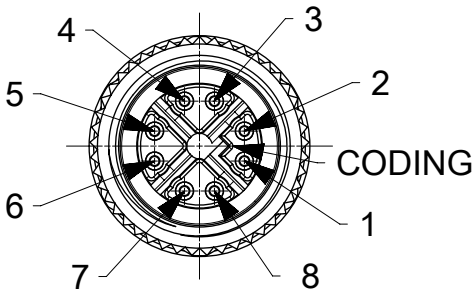
ARROW IN LINE WITH THE CODING
BRAD LOGO ON OTHER SIDE

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

M12 X-CODE
MALE
FRONT VIEW



M12 X-CODE
MALE
FRONT VIEW



SCALE 1:2

NOTES:
VOLTAGE RATING: 48 V
CURRENT RATING: 0.5 A
TEMPERATURE RATING:
STATIC: -40 °C TO 80 °C
DYNAMIC: -20 °C TO 80 °C
IP RATING: IP 67 (IN MATED AND LOCKED CONDITION)
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS EA 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

BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	CABLE	PUR	GREEN
2	16	CONTACT 6 MALE	BRASS	Au OVER Ni
3	-	MOLDING MATERIAL	TPU	BLACK
4	2	INSERT M12 CAT6A MALE 8P	PA6	BLACK
5	2	SHELL M12 CAT6A	ZINC DIE-CAST	Ni PLATED
6	2	NUT M12 MALE	BRASS	Ni PLATED
7	2	I/D CARRIER	PVC	TRANSPARENT
8	1	LABEL 2.0X1.75	VINYL	YELLOW

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

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:			
	DIMENSION UNITS	SCALE				
$\nabla_A = 0$	mm	2:1				
$\nabla_E = 1$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\nabla_F = 0$	ANGULAR TOL	$\pm 1.0^\circ$				
DIVISIONAL SYMBOLS	4 PLACES	$\pm$				
	3 PLACES	$\pm$				
	2 PLACES	± 0.05				
	1 PLACE	± 0.3				
	0 PLACES	± 0.5				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
				A3-SIZE	120341	SEE TABLE 1
					CUSTOMER	SHEET NUMBER
					GENERAL MARKET	1 OF 2

	10	9	8	7	6	5	4	3	2	1
F	TABLE 1									
	MOLEX PN	ENGINEERING NO.	DESCRIPTION	LENGTH [mm]						
	1203410312	E22E06020C250	M12 CAT6A M/M ST/ST PUR GREEN 0.25M	250						
	1203410300	E22E06020M005	M12 CAT6A M/M ST/ST PUR GREEN 0.5M	500						
	1203410301	E22E06020M010	M12 CAT6A M/M ST/ST PUR GREEN 1M	1000						
	1203410313	E22E06020M015	M12 CAT6A M/M ST/ST PUR GREEN 1.5M	1500						
E	1203410302	E22E06020M020	M12 CAT6A M/M ST/ST PUR GREEN 2M	2000						
	1203410303	E22E06020M030	M12 CAT6A M/M ST/ST PUR GREEN 3M	3000						
	1203410304	E22E06020M040	M12 CAT6A M/M ST/ST PUR GREEN 4M	4000						
	1203410305	E22E06020M050	M12 CAT6A M/M ST/ST PUR GREEN 5M	5000						
	1203410859	E22E06020M070	M12 CAT6A M/M ST/ST PUR GREEN 7M	7000						
	1203410374	E22E06020M080	M12 CAT6A M/M ST/ST PUR GREEN 8M	8000						
D	1203410306	E22E06020M100	M12 CAT6A M/M ST/ST PUR GREEN 10M	10000						
	1203410375	E22E06020M120	M12 CAT6A M/M ST/ST PUR GREEN 12M	12000						
	1203410307	E22E06020M150	M12 CAT6A M/M ST/ST PUR GREEN 15M	15000						
	1203410376	E22E06020M180	M12 CAT6A M/M ST/ST PUR GREEN 18M	18000						
	1203410308	E22E06020M200	M12 CAT6A M/M ST/ST PUR GREEN 20M	20000						
	1203410377	E22E06020M220	M12 CAT6A M/M ST/ST PUR GREEN 22M	22000						
C	1203410311	E22E06020M250	M12 CAT6A M/M ST/ST PUR GREEN 25M	25000						
	1203410309	E22E06020M300	M12 CAT6A M/M ST/ST PUR GREEN 30M	30000						
	1203410823	E22E06020M340	M12 CAT6A M/M ST/ST PUR GREEN 34M	34000						
	1203410378	E22E06020M350	M12 CAT6A M/M ST/ST PUR GREEN 35M	35000						
	1203410310	E22E06020M400	M12 CAT6A M/M ST/ST PUR GREEN 40M	40000						
	1203410379	E22E06020M450	M12 CAT6A M/M ST/ST PUR GREEN 45M	45000						
B	1203410371	E22E06020M500	M12 CAT6A M/M ST/ST PUR GREEN 50M	50000						
	1203410380	E22E06020M550	M12 CAT6A M/M ST/ST PUR GREEN 55M	55000						
	1203410372	E22E06020M600	M12 CAT6A M/M ST/ST PUR GREEN 60M	60000						
	1203410381	E22E06020M650	M12 CAT6A M/M ST/ST PUR GREEN 65M	65000						
	1203410373	E22E06020M700	M12 CAT6A M/M ST/ST PUR GREEN 70M	70000						
	1203410847	E22E06020M800	M12 CAT6A M/M ST/ST PUR GREEN 80M	80000						
A	WITH ID CARRIER									
	1203410385	E22E06020M005H	M12 CAT6A M/M ST/ST PUR GREEN 0.5M-ID	500						
	1203410386	E22E06020M010H	M12 CAT6A M/M ST/ST PUR GREEN 1M-ID	1000						
	1203410396	E22E06020M015H	M12 CAT6A M/M ST/ST PUR GREEN 1.5M-ID	1500						
	1203410387	E22E06020M020H	M12 CAT6A M/M ST/ST PUR GREEN 2M-ID	2000						
	1203410388	E22E06020M030H	M12 CAT6A M/M ST/ST PUR GREEN 3M-ID	3000						
	1203410389	E22E06020M040H	M12 CAT6A M/M ST/ST PUR GREEN 4M-ID	4000						
	1203410390	E22E06020M050H	M12 CAT6A M/M ST/ST PUR GREEN 5M-ID	5000						
	1203410391	E22E06020M100H	M12 CAT6A M/M ST/ST PUR GREEN 10M-ID	10000						
	1203410392	E22E06020M150H	M12 CAT6A M/M ST/ST PUR GREEN 15M-ID	15000						
	1203410393	E22E06020M200H	M12 CAT6A M/M ST/ST PUR GREEN 20M-ID	20000						
	1203410922	E22E06020M250H	M12 CAT6A M/M ST/ST PUR GREEN 25M-ID	25000						
	1203410394	E22E06020M300H	M12 CAT6A M/M ST/ST PUR GREEN 30M-ID	30000						
	1203410923	E22E06020M350H	M12 CAT6A M/M ST/ST PUR GREEN 35M-ID	35000						
	1203410395	E22E06020M400H	M12 CAT6A M/M ST/ST PUR GREEN 40M-ID	40000						
	1203410984	E22E06020M450H	M12 CAT6A M/M ST/ST PUR GREEN 45M-ID	45000						
	1203410397	E22E06020M500H	M12 CAT6A M/M ST/ST PUR GREEN 50M-ID	50000						
	1203410985	E22E06020M550H	M12 CAT6A M/M ST/ST PUR GREEN 55M-ID	55000						
	1203410398	E22E06020M600H	M12 CAT6A M/M ST/ST PUR GREEN 60M-ID	60000						
	1203410986	E22E06020M650H	M12 CAT6A M/M ST/ST PUR GREEN 65M-ID	65000						
	1203410399	E22E06020M700H	M12 CAT6A M/M ST/ST PUR GREEN 70M-ID	70000						
	1203410987	E22E06020M750H	M12 CAT6A M/M ST/ST PUR GREEN 75M-ID	75000						
	1203410988	E22E06020M850H	M12 CAT6A M/M ST/ST PUR GREEN 85M-ID	85000						
DOCUMENT STATUS		P1	RELEASE DATE	2023/08/29 13:52:05						
	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

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:			molex					
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL ± 1.0 °												
	4 PLACES		±		EC NO: 760691 DRWN: MBLOESER 2023/08/21 CHK'D: RSILLER 2023/08/29 APPR: RSILLER 2023/08/29			CSE M12 CAT6A 8P XC MA STR PUR XM DE					
	3 PLACES		±										
	2 PLACES		± 0.05										
	DIVISIONAL SYMBOLS	1 PLACE		± 0.3		INITIAL REVISION: DRWN: FGAIK 2017/06/19 APPR: BBRAUCH 2017/06/21			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
		0 PLACES		± 0.5					1203410300		PSD	000	A10
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			