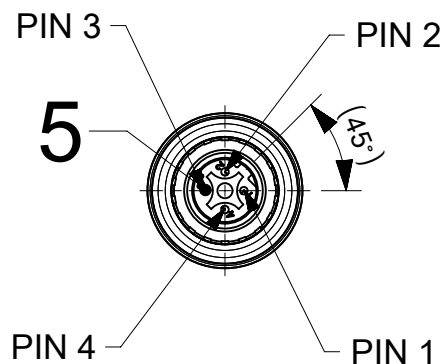




NOTES:
CABLE:
CABLE TYPE 12:
AWG 22 $\varnothing 6.8 \pm 0.2 \text{ mm}$ UL STYLE 21215
MIN. BENDING RADIUS: 7.5xD
COLOR: GREEN RAL 6018, MATERIAL: PUR
TEMPRETURE RATING (FIXED): -40 °C TO +80 °C
TEMPRETURE RATING (FLEXIBLE): -10 °C TO +70 °C

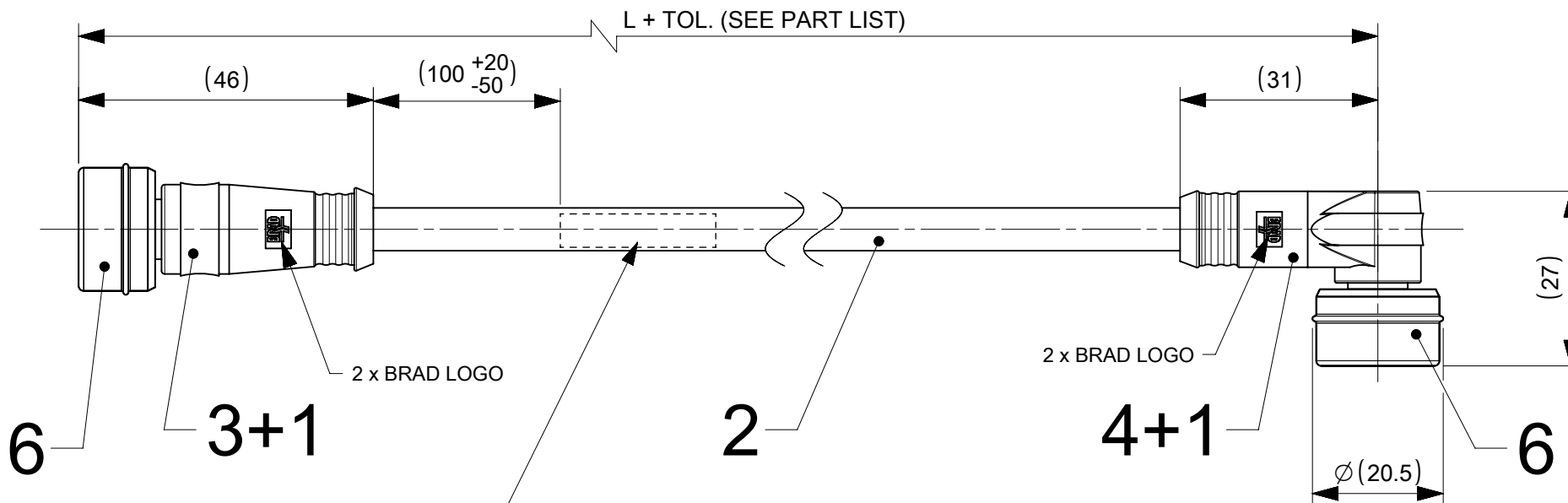
CABLE TYPE 16:
AWG 26/24 $\varnothing 6.5 \pm 0.2 \text{ mm}$ UL STYLE 21215
MIN. BENDING RADIUS: 7.5xD
COLOR: TEAL, MATERIAL: TPU
TEMPRETURE RATING (FIXED): -40 °C TO +80 °C
TEMPRETURE RATING (FLEXIBLE): -10 °C TO +70 °C

ELECTRICAL DATA:
POLES: 4, D-CODING
VOLTAGE RATING: 250V (UL)
CURRENT RATING: 4 A
INSULATION RESISTANCE. $10^8 \Omega$ MIN.
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C

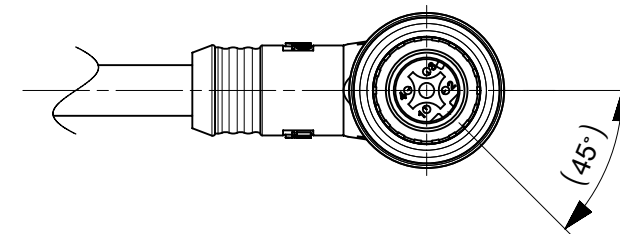
ENVIRONMENTAL:
PROTECTION: IP67 For both, cable 16 and cable 12 in mated and locked position.
IP69k only with Cable 12 in mated and locked position.
MATING CYCLES: MIN. 100
TEMPERATURE RATING PLUG: -40°C TO +85°C

BOM				
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	OVERMOLD	TPC	BLACK
2	-	CABLE	SEE NOTES	SEE NOTES
3	1	SLEEVE SHLD STR	BRASS	NICKEL
4	1	M12-CLOSURE CAP-90 SHIELDED	BRASS	Ni-PLATED
5	8	CONTACT MALE	BRASS	SELECTIVE GOLD
6	2	PLUG U12 4P DC MA SHLD	-	-

FORMAT: master-b-prod-A3
REVISION: 11
DATE: 2021/05/01



CABLE PRINTING :
Molex PN OLD ENG NO MX(YYWW*)
*Where - YY-Year, WW-Week
Example for production date year 2022 week 42:
Molex 1204061025 EYYAS6212M010 MX2242



SCALE 1:2

PART LIST

MOLEX NO.	ENGINEERING NO.	LENGHT (mm)	RAW CABLE
1204061025	EYYAS6212M010	1000	CABLE 12
1204061026	EYYAS6212M020	2000	CABLE 12
1204061027	EYYAS6212M050	5000	CABLE 12
1204061028	EYYAS6212M100	10000	CABLE 12
1204061029	EYYAS6216M010	1000	CABLE 16
1204061030	EYYAS6216M020	2000	CABLE 16
1204061031	EYYAS6216M050	5000	CABLE 16
1204061032	EYYAS6216M100	10000	CABLE 16

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: CHANGED FROM MOLEX INTERNAL TO GENERAL MARKET			
DIMENSION UNITS		SCALE					
mm		2:1					
GENERAL TOLERANCES (UNLESS SPECIFIED)		ANGULAR TOL					
4 PLACES		±					
3 PLACES		±					
2 PLACES		± 0.05					
1 PLACE		± 0.3					
0 PLACES		± 0.5					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION					
		DRAWING					
		A3-SIZE					
		SERIES					
		120406					
		MATERIAL NUMBER					
		SEE PART LIST					
		CUSTOMER					
		GENERAL MARKET					
		SHEET NUMBER					
		1 OF 2					

molex

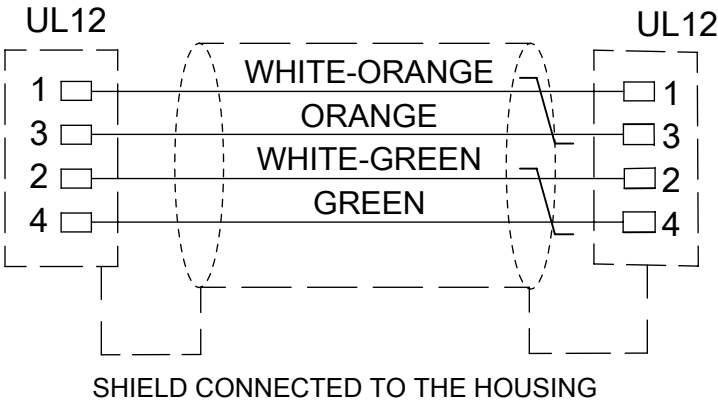
CSE U12 4P DC MA STR WSOR RA XM DE SHLD

PRODUCT CUSTOMER DRAWING

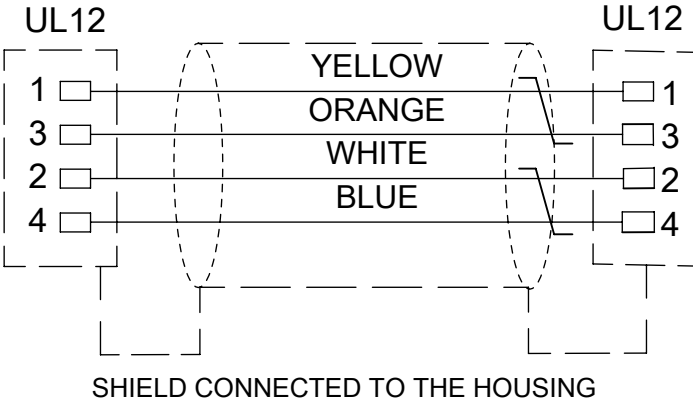
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1204061025	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	1 OF 2

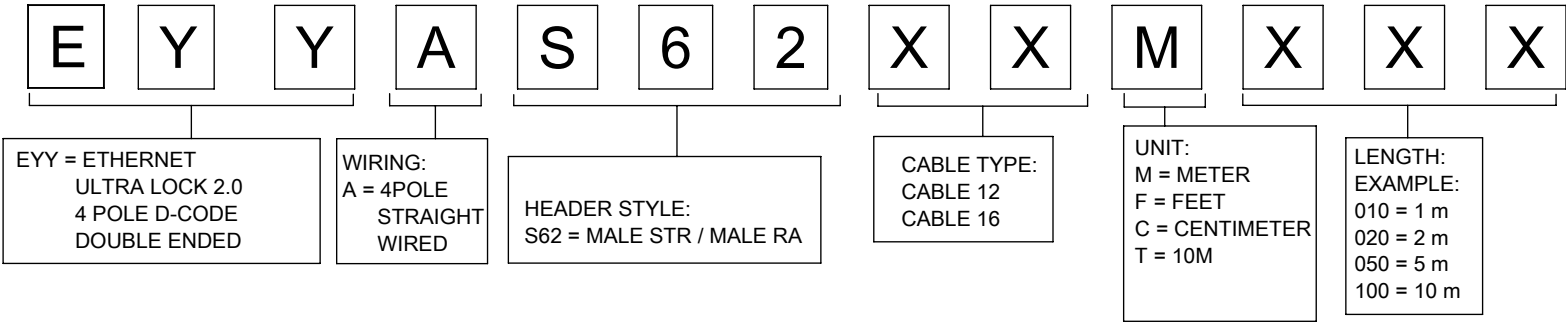
WIRING DIAGRAM (CABLE 16)



WIRING DIAGRAM (CABLE 12)



PART No MATRIX



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: CHANGED FROM MOLEX INTERNAL TO GENERAL MARKET			molex									
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL ± 1.0 °																
	= 0	4 PLACES		±	EC NO: 769484 DRWN: RSCHIEBER2023/11/21 CHK'D: RSILLER2023/11/21 APPR: RSILLER2023/11/21			CSE U12 4P DC MA STR WSOR RA XM DE SHLD									
	= 0	3 PLACES		±													
	= 0	2 PLACES		± 0.05													
	1 PLACE		± 0.3														
	DIVISIONAL SYMBOLS	0 PLACES		± 0.5	INITIAL REVISION: DRWN: ARPITT2022/08/10 APPR: RSILLER2023/07/14			DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING				SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
				A3-SIZE				120406		SEE PART LIST		GENERAL MARKET		2 OF 2			