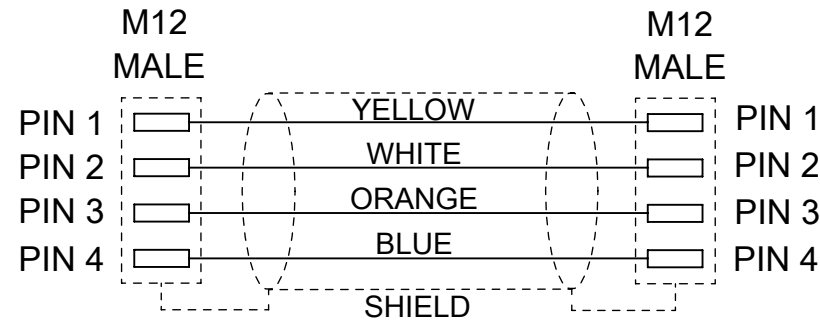
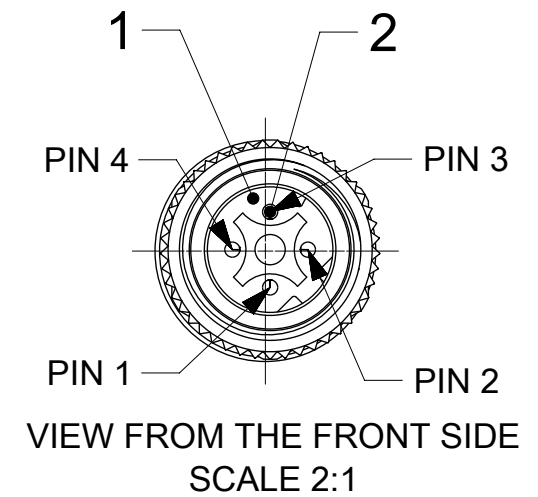
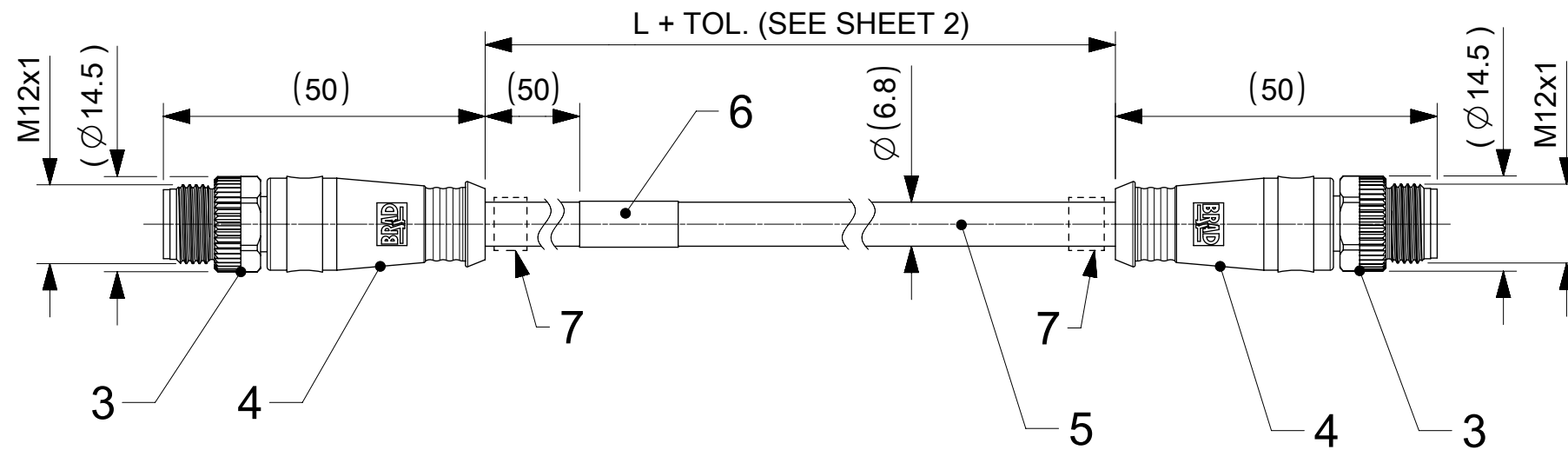
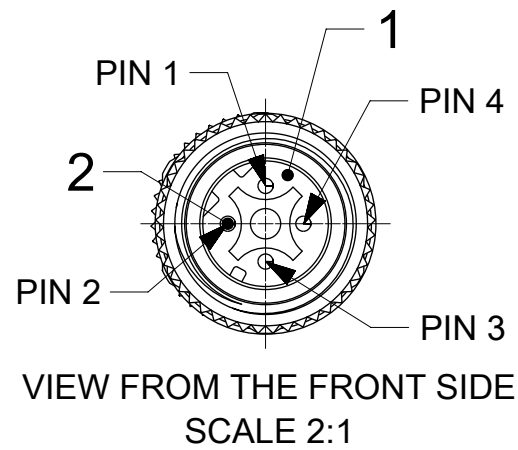
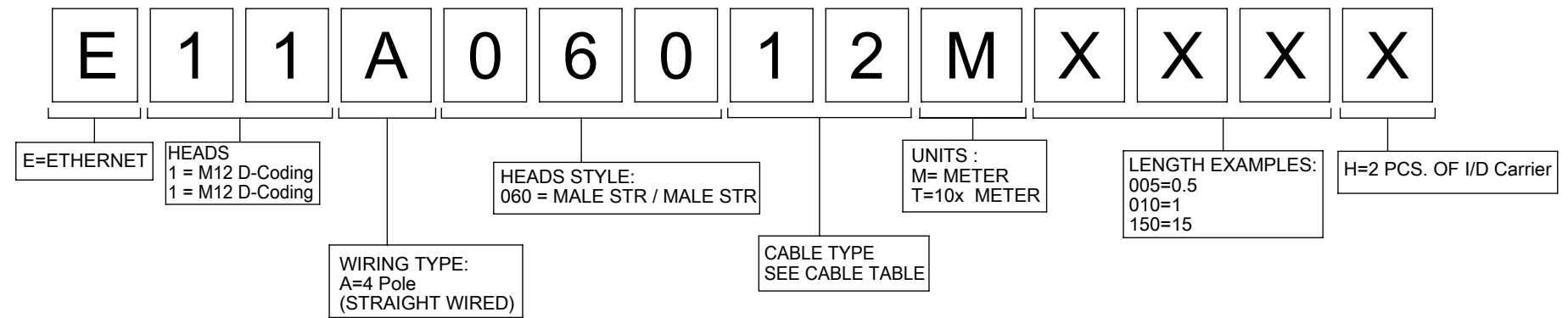


WIRING DIAGRAM



PART No MATRIX



CABLE SPECIFICATION: (FOR MORE DETAILS SEE CABLE SPECIFICATION SHEET)

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	STATIC	FLEXING	DRAG CHAIN TESTED	OTHER
CAB-12 4P(12)	0.34mm ²	PUR GREEN	STYLE 21215	YES	-40°C TO +80°C >5xO.D.	-10°C TO +70°C >7.5xO.D.	2 mio CYCLES	WSOR

CONNECTOR SPECIFICATION :

IEC RATINGS FOR VOLTAGE & CURRENT
VOLTAGE RATING : 250V AC/DC
AMPERAGE RATING : 4A

A9

UL RATINGS FOR VOLTAGE & CURRENT
VOLTAGE RATING : 30V DC
AMPERAGE RATING : 1.5A

PROTECTION : IP67
OPERATING TEMPERATURE:
FOR M12 CONNECTOR: -25°C TO +85°C
FOR CABLE: -40°C TO +80°C (FIXED)
-10°C TO +70°C (FLEX)
TRANSMISSION CHARACTERISTICS ACCORDING
TO ISO/IEC 11801 CLASS D CHANNEL, WITH
INSERTION LOSS BEING IGNORED FOR CABLE
LENGTHS ≤ 1 m OR ≥ 65 m

BOM (ID CARRIER APPLICABLE, IF ENGINEERING NO. HAS "H" {SEE PART LIST})

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	2	INSERT	PUR	BLACK
2	8	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL PLATED
3	2	COUPLING NUT	BRASS	NICKEL PLATED
4	-	OVERMOULD	TPU	BLACK
5	-	CABLE	PUR	GREEN
6	1	LABEL	VINYL	YELLOW
7	SEE PN MATRIX	ID CARRIER	PVC	TRANSPARENT

DOCUMENT STATUS	P1	RELEASE DATE	2026/02/18	01:52:03
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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: UPDATED VOLTAGE & CURRENT RATINGS AS PER STANDARDS.			molex				
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 ETH 4P DC MA STR WSOR XM DE				
ANGULAR TOL ± 1.0 °												
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 847581 DRWN: NIKHIS3 2026/02/02 CHK'D: APAWLAK01 2026/02/17 APPR: HKNEELAND 2026/02/18			PRODUCT CUSTOMER DRAWING				
	3 PLACES		±									
	2 PLACES		± 0.05					INITIAL REVISION: DRWN: BBRAUCH 2014/10/16 APPR: CBURGER 2014/10/16			DOCUMENT NUMBER	
	1 PLACE		± 0.3		SD-120108-072		PSD				001	A9
	0 PLACES		± 0.5									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	
						A3-SIZE	120108	SEE SHEET 2		GENERAL MARKET		1 OF 2

[illegible]

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

FORMAT: master-tb-prod-A3 REVISION: J DATE: 2020/01/14									
9	8	7	6	5	4	3	2	1	