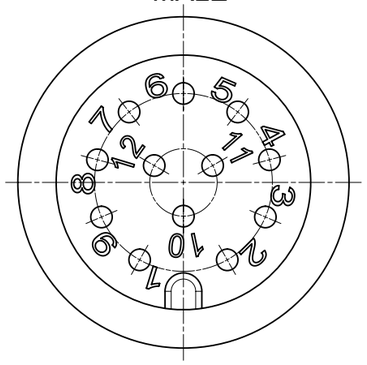
M12 12 POLE
MALE



VIEW FROM THE FRONT SIDE

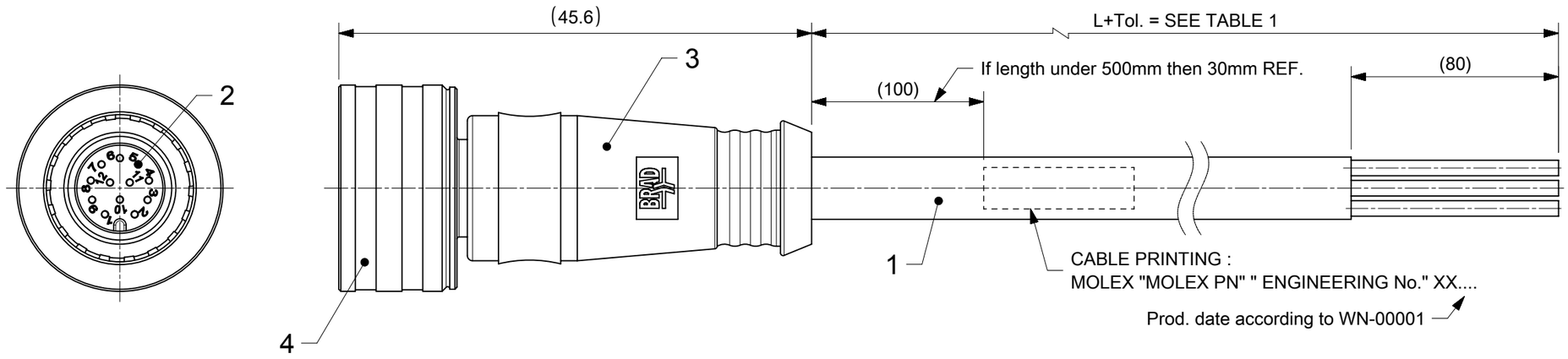
PIN	COLOR
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED
9	BLACK
10	VOILET
11	GRAY/PINK
12	RED/BLUE

PART NO MATRIX

W	0	C	0	0	6	X	X	X	M	X	X	X	X

OPTIONS

- W0 = ULTRA LOCK SINGLE ENDED
- POLES: C = 12 POLES
- HEADER: 006 = MALE STRAIGHT
- CABLE: H45 = PUR BLACK
- UNIT: M = METER
- LENGTH EXAMPLE: 020 = 2 m, 050 = 5 m, 200 = 20 m
- COUPLING NUT MATERIAL : BLANK = STANDARD, 1- STAINLESS STEEL, 5-DELRIN, 7-TEFLON COATED, H-2 PIECES OF I/D CARRIER
- MOLDING COLOR: BLANK = PUR (STANDARD), A = GRAY, Y = YELLOW PUR



CABLE LENGTH TOLERANCES		
OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF FINISHED LENGTH

TABLE 1

MOLEX P/N	ENGINEERING NO.	LENGTH (mm)
1200795006	W0C006H45M020	2000
1200795008	W0C006H45M050	5000
1200795010	W0C006H45M100	10000

CONNECTOR SPECIFICATION :

ELECTRICAL DATA :
- VOLTAGE RATING : 30V
- AMPERAGE RATING : 1.5A
- IP PROTECTION : IP67

CABLE SPECIFICATION :

CONDUCTOR :
- MATERIAL : BARE COPPER
- SECTION : 26 AWG
- STRANDING : 18x0.10 mm

INSULATION :
- COMPOUND : PP
- DIAMETER : ∅1±0.10 mm

JACKET :
- COMPOUND : PUR
- COLOR : BLACK
- DIAMETER : ∅6±0.30 mm

HALOGEN FREE : IEC 60754

WIRING DIAGRAM

1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED
9	BLACK
10	VOILET
11	GRAY/PINK
12	RED/BLUE

BOM

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
4	1	ULTRALOCK ASSEMBLY	SEE PART LIST	SEE PART LIST
3	-	MOULDING	PUR	BLACK
2	12	M12 M Contact-12pol	BRASS	GOLD OVER Ni-PLATED
1	-	CABLE	PUR	BLACK

DOCUMENT STATUS	P1	RELEASE DATE	2019/08/22 13:57:53

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

SYMBOLS: E = 0, C = 0, F = 0, S = 0, ▼ = 0, C = 0, ☒ = 0, ■ = 0, ▽ = 0

DIMENSION UNITS: mm | SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	± °
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REPLACED DOC.
E-120079-074 & SD-W0C006H45MXXX

EC NO: 622841
DRWN: MDHARMANTI 2019/07/15
CHK'D: RSILLER 2019/08/22
APPR: RSILLER 2019/08/22

INITIAL REVISION:
DRWN: MDHARMANTI 2019/07/15
APPR: RSILLER 2019/08/22

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120079

molex

CSE UL. M12 12P AC MA STR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200795006	PSD	000	A

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

FORMAT: tb-prod-A3
REVISION: H
DATE: 2018/01/18