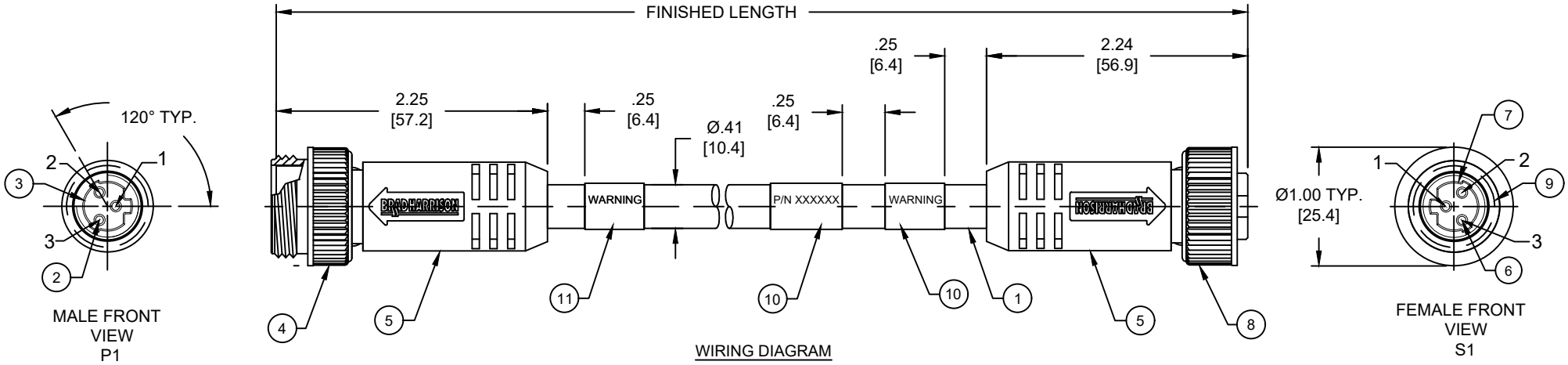


WIRING DIAGRAM

P1		S1
1	GREEN/YELLOW	1
2	BLACK	2
3	WHITE	3

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE: 500V PER IEC60664
   600V PER UL2237
   CURRENT: 13A
4. TEMP RATING: -20°TO +90°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: 7/8-16UN
7. UL LISTED FILE: E258922
8. ALL DIMENSIONS ARE FOR REFERENCE
   UNLESS TOLERANCED OR NOTED OTHERWISE

CABLE FLEX CHARACTERISTICS:

TORSIONAL FLEX TEST	20 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	20 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

ITEM	DESCRIPTION	MATERIAL	FINISH	
11	WARNING LABEL	VINYL	BLACK/ORANGE	
10	WRAP LABEL	VINYL	BLACK/YELLOW	
9	O-RING	NYLON	NATURAL	D
8	FEMALE COUPLING NUT	ZINC DIE-CAST	BLACK E-COAT	
7	3P FEMALE INSERT	TPE	BLACK	D
6	SOCKET CONTACT	COPPER ALLOY	GOLD PLATED	D
5	OVER MOLD	TPE	BLACK	D
4	MALE COUPLING NUT	ZINC DIE-CAST	BLACK E-COAT	
3	3P MALE INSERT	TPE	BLACK	D
2	PIN CONTACT	COPPER ALLOY	GOLD PLATED	D
1	CABLE 16/3 (HI FLEX)	TPE JACKET	YELLOW	

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/13 00:30:12

PART NO. MATRIX

113130K13M010

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

	PART NO	ENGINEERING NO.	FINISHED LENGTH
D	1300102117	113130K13M005	0.5M [1FT 7 IN]
	1300102099	113130K13M300	30M [98FT 5 IN]
	1300102225	113130K13M750	75M [246FT 1 IN]

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

FUNCTIONAL SYMBOLS
FA=0
FC=0
FP=0
DIVISIONAL SYMBOLS

DIMENSION UNITS: INCH/MM
SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±----
1 PLACE	±----	±----
0 PLACES	±----	±----

ANGULAR TOL ± ---- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ITEM# 3, 5 & 7 WERE PVC. ADDED O-RING ITEM #9. MATERIAL TABLE. CONTACTS MATERIALS WERE BRASS.

EC NO: 663067
DRWN: ABENJAMINLW 2020/10/29
CHK'D: RSTONE 2021/05/06
APPR: BWOODMAN 2021/05/13

INITIAL REVISION:
DRWN: RSTONE 2017/02/09
APPR: BWOODMAN 2017/03/02

THIRD ANGLE PROJECTION | DRAWING: A-SIZE | SERIES: 130010

molex

BRAD POWER A-SIZE
3 POLE, MALE-FEMALE, STRAIGHT TRI-KEY,
16 AWG, TPE HI-FLEX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130010-037	PSD	001	D

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