



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

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

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

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

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/13	00:30:12
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PART NO	ENGINEERING NO.	FINISHED LENGTH
1300102117	113130K13M005	0.5M [1FT 7 IN]
1300102099	113130K13M300	30M [98FT 5 IN]
1300102225	113130K13M750	75M [246FT 1 IN]

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FUNCTIONAL SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC: ITEM# 3, 5 & 7 WERE PVC. ADDED O-RING ITEM #9. MATERIAL TABLE. CONTACTS MATERIALS WERE BRASS.
	INCH/MM	NTS	
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 663067 DRWN: ABENJAMINLW 2020/10/29 CHK'D: RSTONE 2021/05/06 APPR: BWOODMAN 2021/05/13
		mm	
	4 PLACES	±----	±----
	3 PLACES	±----	±----
	2 PLACES	±----	±----
	1 PLACE	±----	±----
	0 PLACES	±----	±----
	ANGULAR TOL ± ---- °		INITIAL REVISION:
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: RSTONE 2017/02/09 APPR: BWOODMAN 2017/03/02
	THIRD ANGLE PROJECTION	DRAWING	SERIES
		A-SIZE	130010
		MATERIAL NUMBER	CUSTOMER
		SEE CHART	GENERAL MARKET
		DOCUMENT NUMBER	DOC TYPE/DOC PART/REVISION
		SD-130010-037	PSD 001 D
		SHEET NUMBER	1 OF 1

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

PRODUCT CUSTOMER DRAWING

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