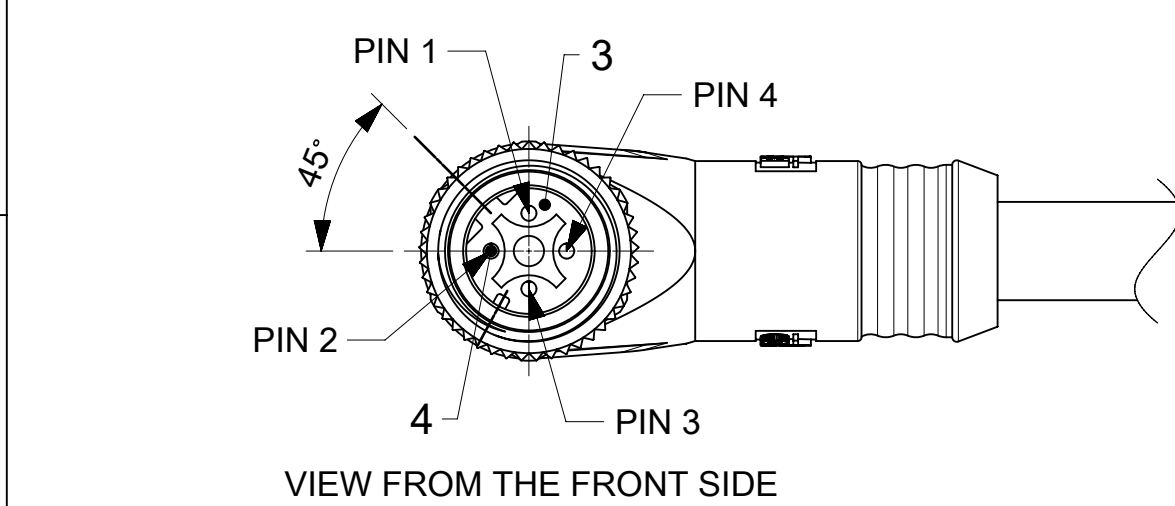
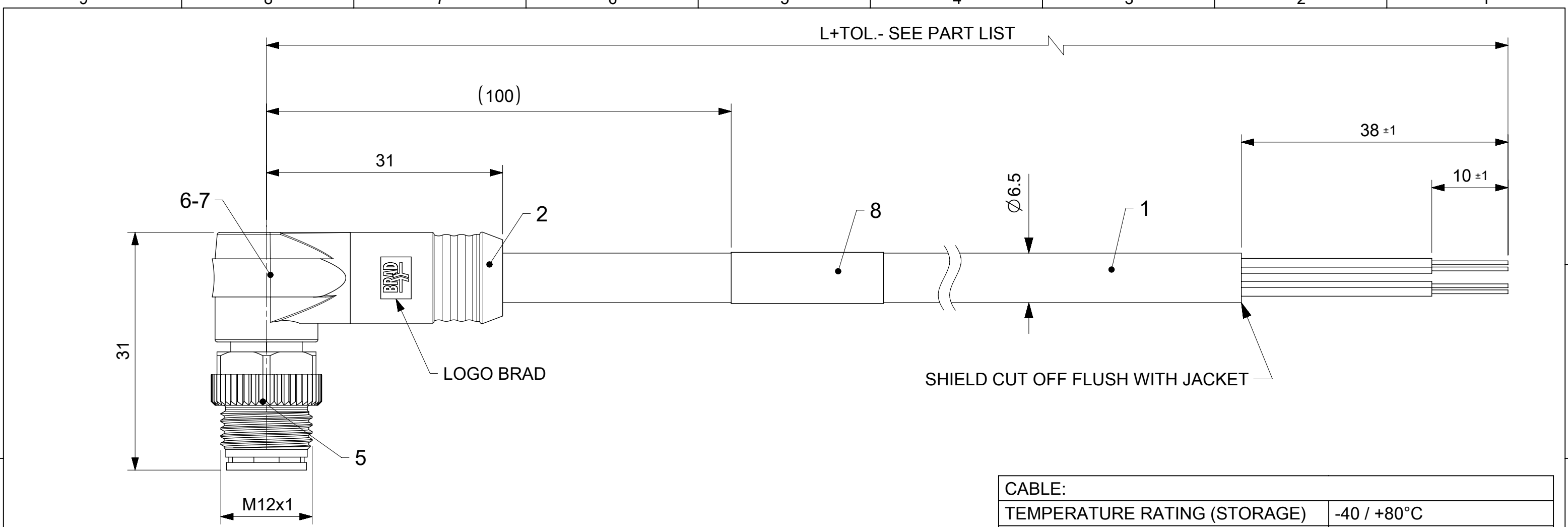




CABLE:	
TEMPERATURE RATING (STORAGE)	-40 / +80°C
TEMPERATURE RATING (OPERATION)	-20 / +50°C
WELD SLAG RESISTANCE	YES, S-300 MOLEX TEST
FREE SUBSTANCE'S	FCKW, SILICONE, AND PB
FIRE PERFORMANCE	IEC60332-1, UL1581
OIL RESISTANCE	ISO6722, UL758/2556

PART LIST

PART NO	ENGINEERING NO	L+TOL [mm]
1201089159	E10A00716M010	1000+56
1201088538	E10A00716M020	2000+89
1201088788	E10A00716M030	3000+89
1201088539	E10A00716M050	5000+165
1201088540	E10A00716M100	10000+317
1201088541	E10A00716M200	20000+622

NOTES:
ELECTRICAL DATA:
VOLTAGE RATING: 125V ^(A1)
AMPERAGE RATING: 1.5A
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100

ENVIRONMENTAL:
PROTECTION: IP67 in mated and locked position.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC: UPDATED VOLTAGE & CURRENT RATINGS			
▽ = 0	mm	2:1	mo lex CSE M12 ETH 4P DC MA RA WSOR XM SE SHLD BK BRA AU			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)					
▽ = 0	ANGULAR TOL ± °					
▽ = 0	4 PLACES ±					
▽ = 0	3 PLACES ±					
▽ = 0	2 PLACES ± 0.05					
▽ = 0	1 PLACE ± 0.3					
▽ = 0	0 PLACES ± 0.5					
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		INITIAL REVISION: DRWN: ARPITT 2023/03/17 APPR: RSILLER 2023/03/23			
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
▽ = 0		A3-SIZE	120108	SEE PART LIST	GENERAL MARKET	1 OF 2

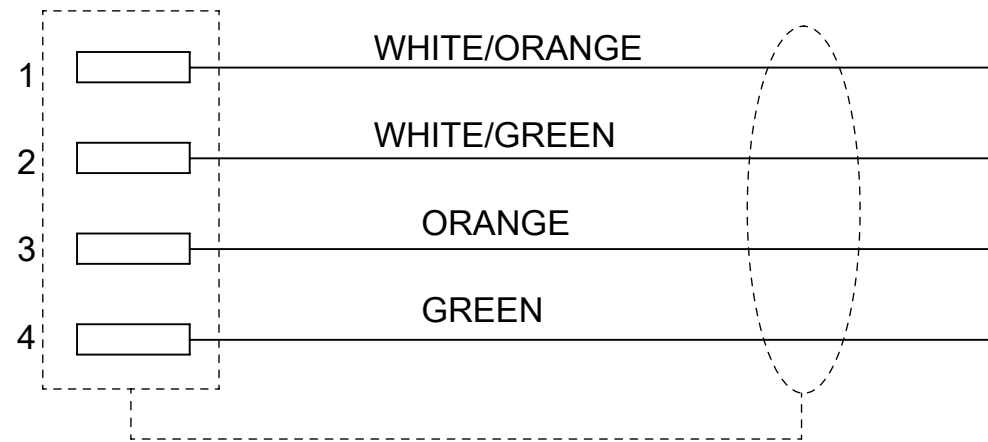
E	1	0	A	0	0	7	1	6	M	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---

HEADS:
10=M12 4-Pole Threaded
D-Coding, Single Ended

CABLE TYPE

LENGTH EXAMPLES:
005=0.5
010=1
150=15

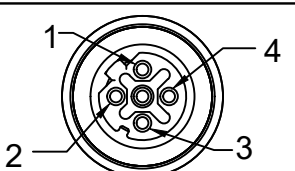
M12 4P
MALE



8	1	LABEL 50x69	ABS	WHITE
7	1	M12 SLEEVE RA	BRASS	Ni-PLATED
6	1	M12 SLEEVE RA	BRASS	Ni-PLATED
5	1	M12 MALE NUT HEX	BRASS	Ni-PLATED
4	4	CONTACT 10 MALE	BRASS	GOLD OVER NICKEL
3	1	INSERT M12 MA 4P	PUR	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 2x2x24AWG O.D. 6.5MM	TPU	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

FORMAT: 10-print-A3 REVISION: DATE: 2018/01/18 REVISION:										9	8	7	6	5	4	3	2	1
---	--	--	--	--	--	--	--	--	--	---	---	---	---	---	---	---	---	---

FRONT VIEW - MALE M12



1-WHITE/ORANGE
2-WHITE/GREEN
3-ORANGE
4-GREEN

NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE: 125V
CURRENT: 1.5A
4. PROTECTION: IP67 (WHEN MATED)
5. COUPLING THREAD: M12X1
6. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

ADDITIONAL CABLE INFORMATION

PHYSICAL CHARACTERISTICS:	
CONDUCTOR SIZE	24AWG 2 PAIR (19/0.12mm) BARE COPPER
INSULATION MATERIAL	POLYOLEFIN
SHIELD/BRAID	TINNED COPPER 85% COVERAGE
JACKET MATERIAL	TPU (TEAL)
CONDUCTOR	ORANGE, ORANGE-WHITE & GREEN, GREEN-WHITE
TAPE	ALUMINUM-POLYESTER

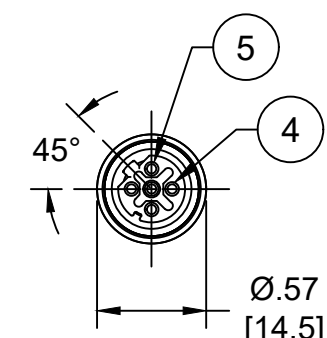
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FIRE PERFORMANCE	IEC60332-1, UL1581
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PART NUMBER LEGEND

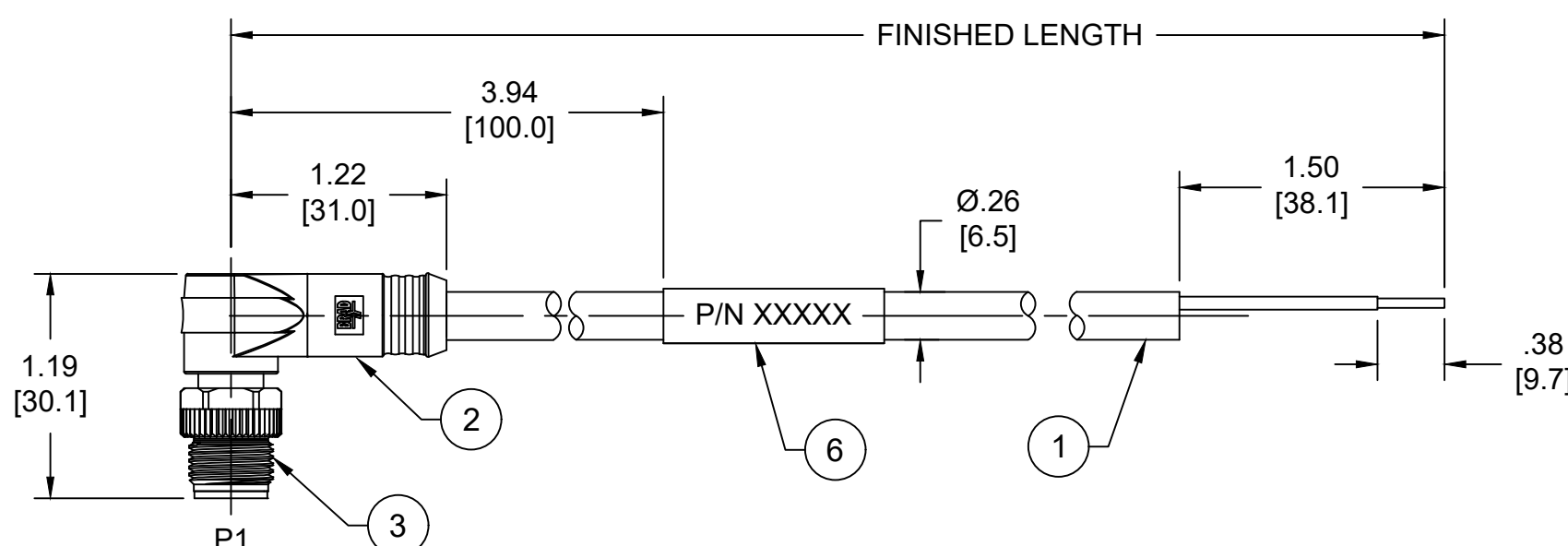
E10A00716M020

FINISHED LENGTH
M002 - 0.2 METER
M010 - 1 METER
M200 - 20 METER

FACE VIEW - MALE



WIRING DIAGRAM



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

FUNCTIONAL SYMBOLS

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INCH/MM

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

THIRD ANGLE PROJECTION

DRAWING

B-SIZE

SERIES

120108

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

EC NO: 703079

DRWN: ABENJAMINLW

CHK'D: RSTONE

APPR: BWOODMAN

INITIAL REVISION:

DRWN: RSTONE

APPR: BWOODMAN

CURRENT REV DESC: ITEM-1 WAS PUR. MODIFIED PN CHART

2022/03/15

2022/04/12

2022/04/18

2017/08/04

2017/08/11

DOCUMENT NUMBER

SD-120108-100

DOC TYPE

PSD

DOC PART

001

REVISION

A

DOCUMENT STATUS

P1

RELEASE DATE

2022/04/18

21:16:40

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