

WIRE COMBINATIONS FOR NYLON-INSUALTED CLOSED END CONNECTORS

MOLEX P/N: 191600024 (NC-8), 191600131 (NC-8 BULK)
191600028 (NC-8T)

UL LISTED & CSA CERTIFIED WIRE COMBINATIONS

STRANDED WIRE ONLY

8 AWG	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
				5	3
				5	2
				5	1
				4	
				4	6
				4	5
				4	4
				4	3
				4	2
				4	1
				3	8
				3	7
				3	6
				3	5
				3	4
				3	3
				3	2
				2	9
					8
					7
					6
					5
					4
					11
					10
					9
					8
					7
					6
					5
					12
					11
					10
					9
					8
					7
1			1		
1				1	
1					1
1					2

STRANDED WIRE ONLY

10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
2				
1	1			
1		2		
1			4	
1			2	
1			1	
1				6
1				5
1				4
1				3
1				2
1				1
	1	3		
	1	2		
	1	1		
	1		5	
	1		4	
	1		3	
	1		2	
	1			8
	1			7
	1			6
	1			5
	1			4
	1			3
	2	2		
	2		3	
	2		2	
	2		1	
	2			4
	2			3
	2			2
	2			1
	2			
	3			
		6		
		5		
		4		
		4		2
		4		1

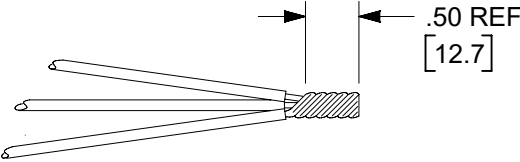
STRANDED WIRE ONLY

12 AWG	14 AWG	16 AWG	18 AWG
	3		
	3	3	
	3	2	
	3	1	
	3		5
	3		4
	3		3
	3		2
	3		1
	2	4	
	2	3	
	2	2	
	2	1	
	2		7
	2		6
	2		5
	2		4
	2		3
	2		2
	1	6	
	1	5	
	1	4	
	1	3	
	1		10
	1		9
	1		8
	1		7
	1		6
	1		5
	1		4
		7	
		7	1
		6	
		6	3
		6	2
		6	1
		5	
		5	4
1	4		

* - RATED 300 VOLTS ALL OTHER 600 VOLTS

WIRE PREPARATION

- A.) STRIP LEADS TO APPROXIMATELY .88 (22.2)
B.) PRETWIST WIRE COMBINATION EVENLY AND TIGHT.
C.) TRIM STRIPPED PRETWISTED ZONE TO .50 (12.7) LONG.



RATING 105°C 600 VOLT
(1000 VOLT IN SIGNS OR FIXTURES)
FILE: E32244



RATING 125°C 600 VOLT
(1000 VOLT IN SIGNS OR FIXTURES)
FILE: LR 18689

APPLICATION WITH HANDTOOL:

HOLD TOOL WITH LOCATOR PLATE FACING UP.
INSERT CLOSED END CONNECTOR IN HOLE.
INSURE THAT SHOULDER OF CONNECTOR IS RESTING
ON LOCATOR PLATE.
CLOSE TOOL JAWS UNTIL CONNECTOR IS HELD SNUG IN PLACE.
LOAD CONNECTOR WITH DESIRED WIRE COMBINATION.
COMPLETE CRIMP BY CLOSING TOOL HANDLES UNTIL
THEY RELEASE.

CRIMP TOOLING AVAILABLE

640012500 (RHT-2080) HANDTOOL
640052500 (AT-2080) CRIMP HEAD FOR 192790001 (AT-200)
AIR HAND TOOL

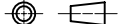
D1

192280030 (ATP-301) AIR TAPE PRESS OR
638853500 MINI-MAC TAPE APPLICATOR WITH
192880245 (ATP-NC-8) CRIMPING DIES

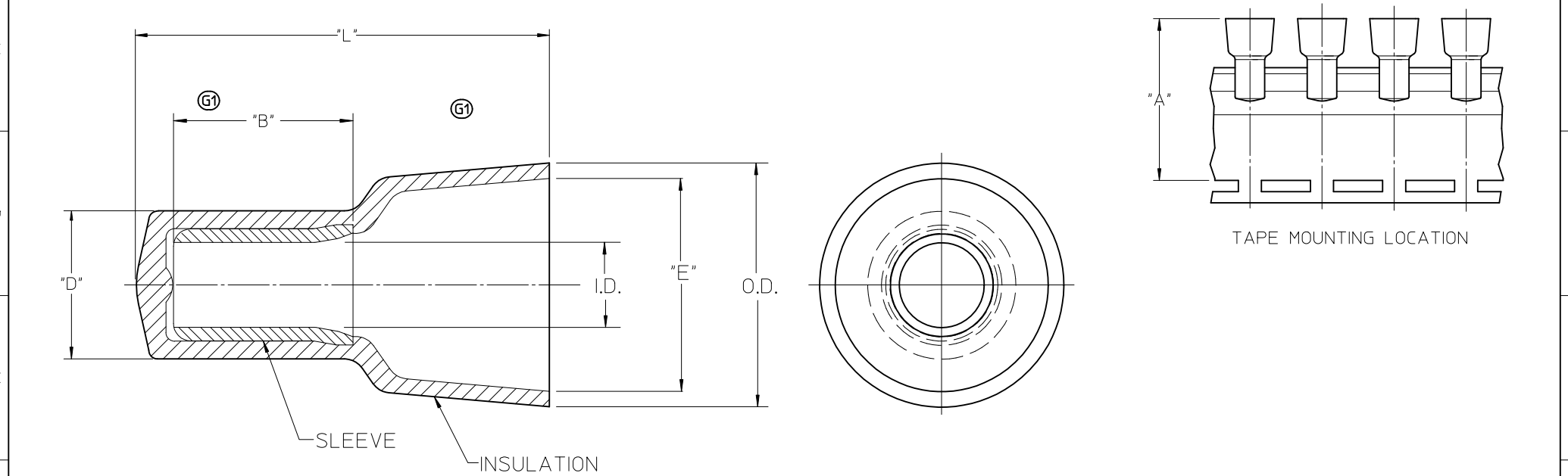
ALTERNATE: HOLLINGSWORTH HAND TOOL USING:
H-15 OR H38-15 DIE NUMBERS.

ADDITIONAL UL/ CSA WIRE COMBINATIONS
(2) 12 AWG STRANDED WITH (1) 12 AWG SOLID

NOTE: THIS DOCUMENT USED TO MAKE STUFFER SHEET
PART NO: 194080109
DOC NO'S: E-19160-009 & PK-19408-109

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: CRIMP TOOLING PN'S UPDATED.				molex					
	INCH/MM		NTS											
	GENERAL TOLERANCES (UNLESS SPECIFIED)								CLOSED END CONNECTOR WIRE COMBINATIONS NC-8 PRODUCT SPECIFICATION					
			MM		INCH		EC NO: 704038 DRWN: DMYRICK 2022/04/11 CHK'D: JMACNEIL 2022/05/04 APPR: JMACNEIL 2022/05/04							
	4 PLACES		±		±									
	3 PLACES		±		±									
	2 PLACES		±		±									
	DIVISIONAL SYMBOLS	1 PLACE		±		±		INITIAL REVISION: DRWN: JHACKNEY 1999/11/03 APPR: JMACNEIL 2022/06/06						
0 PLACES		±		±										
ANGULAR TOL				± °		DOCUMENT NUMBER PS-19160-008								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION						DRAWING B-SIZE		SERIES 19160		
									MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 1	

10		9		8		7		6		5		4		3		2		19160	
LOOSE PIECE		TAPE MOUNTED				"L" MAX.		"B" MIN $\text{\textcircled{G1}}$		"D" MAX.		"E" MIN.		I.D. MIN.		O.D. MAX.		"A" DIM $\pm.02/0.5 \text{\textcircled{G1}}$	
MATERIAL NO.	ENG. NO.	MATERIAL NO.	ENG. NO.																
191600012	NC-2214	191600070	NC-2214T			.62/15.7		.30/7.6		.19/4.8		.24/6.1		.09/2.3		.32/8.1		1.54/39.2	
191600009	NC-2212	191600071	NC-2212T			.76/19.3		.30/7.6		.23/5.8		.27/6.9		.10/2.5		.36/9.1		1.63/41.4	
191600002	NC-1610	191600083	NC-1610T			.90/22.8		.28/7.1		.28/7.1		.38/9.6		.15/3.8		.45/11.4		1.75/44.5	
191600024	NC-8	191600028	NC-8T			1.10/27.9		.42/10.6		.36/9.1		.48/12.2		.21/5.3		.57/14.5		1.86/47.4	



NOTES:

1. MATERIAL: SLEEVE: TIN-PLATED COPPER
INSULATION: 6/6 NYLON,
NATURAL TRANSLUCENT

2. PARTS ARE ROHS COMPLIANT.

SALES DRAWING

CORRECT TOLERANCES EC NO: WNA2010-0673 DRAWN BY: DRW:ETHRODAHL 2010/05/07 CHKD.R. DEROSS 04/02/23 APPR: JMACNEIL 2010/06/23 G1	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 5:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	CLOSED END CONNECTORS NYLON INSULATED				
			4 PLACES	± ---	± ---	H.BEITZE	04/02/23					
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
			2 PLACES	± ---	± ---	R.DEROSS	04/02/23					
			1 PLACE	± ---	± ---	APPROVED BY	DATE	SD-19160-001				
			ANGULAR ± ---°		R.DEROSS	04/02/23						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.					
					SEE CHART				1 OF 1			
					SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						