

WIRE COMBINATIONS FOR NYLON-INSUALTED CLOSED END CONNECTORS

MOLEX P/N: 191600012 (NC-2214), 191600130 (NC-2214BULK)
191600070 (NC-2214T), 191600091 (NC-2214BT)

UL LISTED WIRE COMBINATIONS

STRANDED WIRE ONLY			
16 AWG	18 AWG	20 AWG	22 AWG
		1	7
			6
	1		5
		2	4
	1		4
		2	3
1			3
		3	2
1			2
		4	1
	2		1
1			1
		4	
	1	3	
1		2	
	2	1	
1		1	
	3		

ADDITIONAL UL LISTED WIRE COMBINATIONS

- (3) 18 AWG SOLID
- (2) 18 AWG SOLID

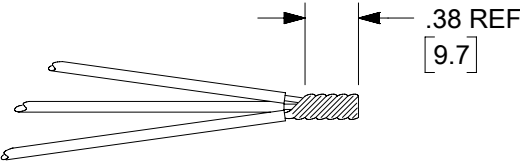
STRANDED WIRE ONLY			
16 AWG	18 AWG	20 AWG	22 AWG
	2		
1	1		
1	1	1	
	1	2	
	2		2
	1		3
	1		1
	1	1	1
	1	2	1
	1	1	2
	1	1	3
		3	1
		2	2
		1	4
		1	5
			6
1	1	1	1

CSA CERTIFIED WIRE COMBINATIONS

- (7) 22 AWG STRANDED
- (4) 22 AWG STRANDED WITH (2) 20 AWG STRANDED
- (2) 20 AWG STRANDED WITH (1) 16 AWG STRANDED
- (2) 18 AWG STRANDED WITH (1) 20 AWG STRANDED
- (3) 18 AWG STRANDED
- (2) 18 AWG SOLID

WIRE PREPARATION

- NOTE: PRE-TWISTING NOT REQD FOR OEM APPLICATIONS
SOLID: (OEM ONLY)
A. STRIP LEADS TO .38(9.5)
B. INSERT INTO CONNECTOR & CRIMP
STRANDED:
A. STRIP LEADS TO APROX. .75(19.1)
B. TWIST WIRE COMBINATION EVENLY & TIGHT.
C. TRIM STRIPPED PRE-TWISTED ZONE TO .38(9.5).
D. INSERT INTO CONNECTOR AND CRIMP.



RATING 105°C 300 VOLT
FILE: E32244



RATING 125°C 300 VOLT
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

- 640010600 (RHT-7000) HANDTOOL
- 640053400 (AT-2214) CRIMP HEAD OR 640050600 (AT-7000) CRIMP HEAD
- FOR 192790001 (AT-200) AIR HAND TOOL

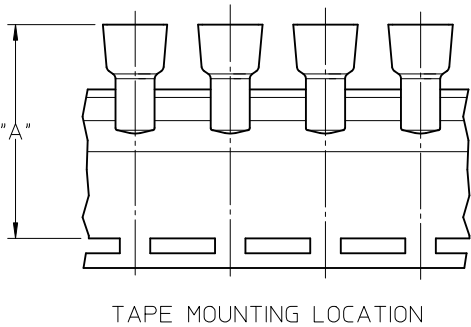
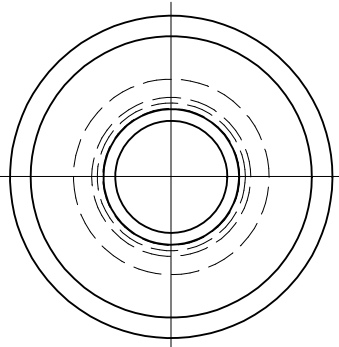
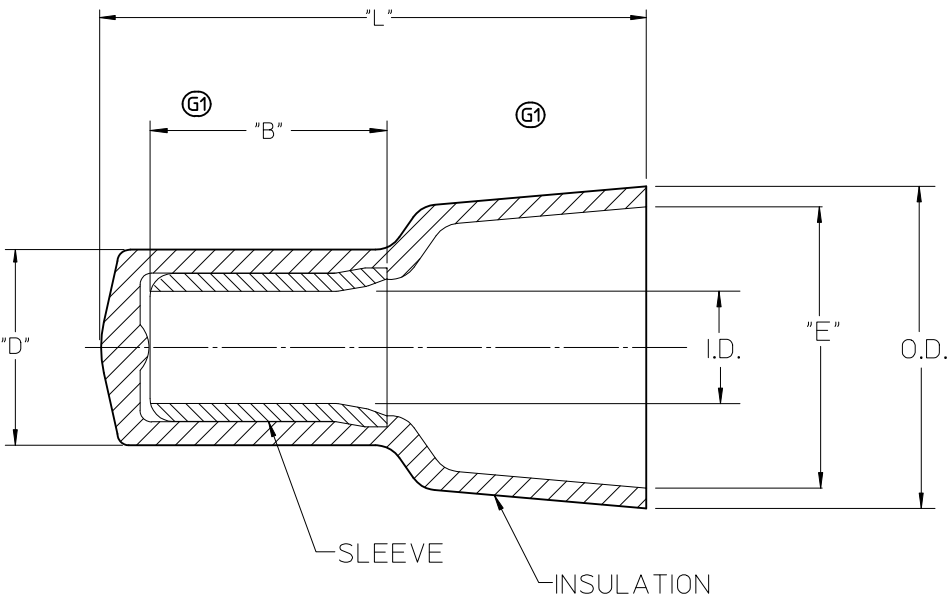
D1

- 192280030 (ATP-301) AIR TAPE PRESS OR
- 638853500 MINI-MAC TAPE APPLICATOR WITH
- 192880242 (ATP-NC-2214) CRIMPING DIES

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: P/N TYPO/ ERROR: 191600070 WAS 191600071, 191600130 WAS 190600129, 191600091 WAS 191600190. CRIMP TOOLING PN'S UPDATED.				molex CLOSED END CONNECTOR WIRE COMBINATNS NC-2214 PRODUCT SPECIFICATION		
	INCH/MM		NTS								
	GENERAL TOLERANCES (UNLESS SPECIFIED)										
DIVISIONAL SYMBOLS			MM		INCH		EC NO: 704038 DRWN: DMYRICK 2022/04/07 CHK'D: JMACEUIL 2022/05/04 APPR: JMACEUIL 2022/05/04				
	4 PLACES		±		±						
	3 PLACES		±		±						
	2 PLACES		±		±						
	1 PLACE		±		±						
	0 PLACES		±		±						
		ANGULAR TOL		± °		INITIAL REVISION: DRWN: JHACKNEY 1999/11/03 APPR: JHACKNEY 2012/06/06					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
THIRD ANGLE PROJECTION		DRAWING		SERIES							
				B-SIZE		19160		MATERIAL NUMBER		CUSTOMER	
								SEE CHART		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:
- MATERIAL: SLEEVE: TIN-PLATED COPPER
INSULATION: 6/6 NYLON,
NATURAL TRANSLUCENT
 - PARTS ARE ROHS COMPLIANT.

SALES DRAWING

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