



Figure 1

## 1. INTRODUCTION

This instruction sheet covers the use of Cable Tie Installation Tool 734587-1, shown in Figure 1. The tool is used to apply the cable ties listed in Figure 2. Read these instructions thoroughly before installing cable ties

**NOTE**

*Unless otherwise specified, all dimensions are in millimeters [with inches in brackets]. Figures are not drawn to scale.*

## 2. DESCRIPTION

This tool features an incremental tension-adjustment dial, a tension-adjustment indicator, and an automatic cut-off blade.

The tension adjustment regulates the amount of tension applied to the cable tie before the tie is cut. The adjustment is made by turning the adjustment dial until the indicator displays the desired setting.

**NOTE**

*The higher numerical settings on the tool indicate a greater tension placed on the cable tie.*

## 3. APPLICATION PROCEDURE

1. Determine the diameter of the cable bundle and select the proper cable tie from the table in Figure 2.
2. Turn the tension adjustment dial to the desired tension setting.
3. Loop the cable tie around the cable bundle and insert the tapered end of the tie through the back of the tie head. Refer to Figure 1.
4. Pull the cable tie through until snug.
5. Insert the cable tie into the tool's gripper slot and squeeze the handle completely. The tool will tighten the tie and automatically cut the excess once the pre-set tension is reached.

If the tension on the cable tie is not as originally desired, re-adjust the tool as required.

**CAUTION**

*Exercise care when adjusting the tension. Do NOT turn the adjustment past the zero setting, or damage to the tool may result.*

CABLE BUNDLE DIAMETER		CABLE TIE			TOOL TENSION SETTING RANGE
MINIMUM (mm [In.])	MAXIMUM (mm [In.])	LENGTH (mm [In.])	PART NUMBER	TENSILE VALUE (lb)	
1.5 [06]	19.1 [.75]	108.0 [4.25]	603230	18	0-1
			603231		
		101.6 [4.00]	604771		
			608701		
	203.2 [8.00]	608687	30	1-2	
		152.4 [6.00]			603227
	31.8 [1.25]	158.8 [6.25]	608687		
		50.8 [2.00]	215.9 [8.50]	604476	40
	76.2 [3.00]	292.1 [11.50]	608688		
	19.1 [.75]●	209.6 [8.25]	608698	50	2-3
	35.1 [1.38]	165.1 [6.50]	608692		
	38.1 [1.50]●	304.8 [12.00]	608699		
	44.5 [1.75]	203.2 [8.00]	608702		
			608704		
			608789		
	50.8 [2.00]	393.7 [15.50]	608700		
	76.2 [3.00]	298.5 [11.75]	604751		
	101.6 [4.00]	381.0 [15.00]	608703		
393.7 [15.50]			604774		
406.4 [16.00]			608695		
412.8 [16.25]			608696		

- Using two cable bundles, each of this size.

Figure 2

**4. TOOL MAINTENANCE**

The tool should be inspected immediately upon arrival in your plant, and at regularly scheduled intervals, to ensure that the tool has not been damaged. Lubricate the tool as directed in Figure 1.

**5. TOOL REPLACEMENT AND ORDERING**

If the tool should become damaged, it must be replaced. Additional tools can be purchased through your Tyco Electronics Representative, or call

1-800-526-5142, or send a facsimile of your purchase order to 717-986-7605 or write to:

CUSTOMER SERVICE (038-035)  
TYCO ELECTRONICS CORPORATION  
PO BOX 3608  
HARRISBURG PA 17105-3608

**6. REVISION SUMMARY**

Per EC 0990-0438-03:

- Initial release of instruction sheet