# Basic Guide to Terminal Crimping



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NTM NICHIFU





(1) The correct terminal size is dictated by the size of the wire you are using.





If the wire size is below the range, it may cause the wire to slip out of the terminal. Example: select R2-4 for 1.0mm<sup>2</sup>.
E If you select a terminal too small for the wire the wire may split the barrel. An example of this would be if you selected a R1.25-4 terminal to use with a 2.5mm<sup>2</sup> wire.

### (2) How to Select the Correct Tool

You should select the tool based on the size and type of the terminal you are going to use.





## DO NOT CRIMP AN INSULATED TERMINAL USING A TOOL FOR NON-INSULATED TERMINALS.

The crimp will split the insulator and expose the metal which can cause an electrical short circuit.





## DO NOT CRIMP AN INSULATED TERMINAL WITH A SOLID COPPER WIRE INSERTED.

Only stranded copper wire is acceptable. For solid copper wire select the non-insulated terminal and add an insulation cap.



Insulated Terminal

## **CRIMPING INSTRUCTIONS**

## ① Strip the Wire

Strip the wire to be crimped according to the instructions for each wire type.

The length of the insulation to be removed is dependant on the terminal type and shape used.

### Wire is passed the barrel. Wire insulation does not touch the barrel.



- (2) Crimping Instructions Continued
  - $\star$  Select the die for the crimping tool according to the terminal size







Close the handles slightly for the terminal to be retained by the die. Next insert the stripped wire into the terminal barrel.











The tool for the insulated terminal has double jaws. One jaw crimps the wire barrel and the other crimps the insulation.



Remove the locator when crimping insulated sleeves, pin and disconnects.

Using the wrong dies or reversing the terminal placement will cause insufficient crimping.

Insufficient crimping may cause wire slippage.





Nest

Front Crimp may cause Wire Slip



## (3) Inspection

NoN INSULATED TERMINAL	INSULATED TERMINAL	JUDGEM MENT
		O Good Crimp
		WRONG
		WRONG
		WRONG
		<b>X</b> WRONG

## TOOL SELECTION INSTRUCTIONS

#### For non-insulated terminals



● NH 69 250g/180mm ● NH 1 395g/235mm Applicable terminal sizes:1.25mm<sup>2</sup>~8mm<sup>2</sup>





Applicable terminal sizes: 0.3/0.5mm<sup>2</sup>~2mm<sup>2</sup>

#### **Open End Connector**

● NHE 4 410g/240mm Applicable Part Numbers : E-S, E-M, E-L



#### For Insulated Terminals

● NH 32 450g/240mm Applicable terminal sizes : 0.3/0.5 mm<sup>2</sup> ~ 2 mm<sup>2</sup>





### For Closed End

● NH 38 430g/250mm Applicable terminal sizes : CE 1 / CE 2 / CE 5 / CE 8



\*The tools may be subject to model change

#### LARGER NON-INSULATED TERMINAL · COMPRESSION TERMINAL **T-CONNECTOR**

Crimping of larger terminals is accomplished by using a hand hydraulic tool, battery operated hydraulic tool or combination of crimp head and hydraulic pump.

