

Terminal Ring Tongue – 10 to 16 mm²

1. SCOPE

This specification contains the guidelines for the application of Terminal Ring Tongue. It applies primarily to the fully or semi-automatic application of the contacts; if agreed, it can also be applied to manual crimp tool. The contacts are listed by their use, the wire size ranges and the crimping data in section 6.

Note : Only the TE crimp tool specified in section 6 may be used for application of the contacts. Any exceptions to this rule are defined by customer-specific documents.

2. REFERENCED DOCUMENTS

2.1 Customer Drawings

The dimensions and materials of the contacts are shown in the TE customer drawings.

2.2 Crimp Dimensions

For crimp dimensions refer to the product specific information in section 5 or the applicator log sheet.

2.3 Crimp Height Measurement

How to measure the crimp height is explained in Instruction Sheet 408-7424.

3. WIRE PREPARATION

Wire shall be trimmed cleanly and squarely.

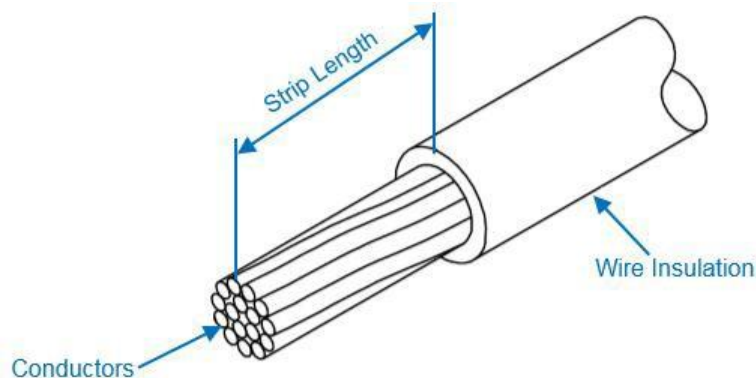


Figure 1

WIRE BARREL LENGTH	WIRE STRIP LENGTH
>7.00 – 8.00 mm	11,00 ± 1,50

Table 1

4. FEATURES OF A CRIMP CONNECTION

The following terms are used in this specification.

(Illustrative drawing)

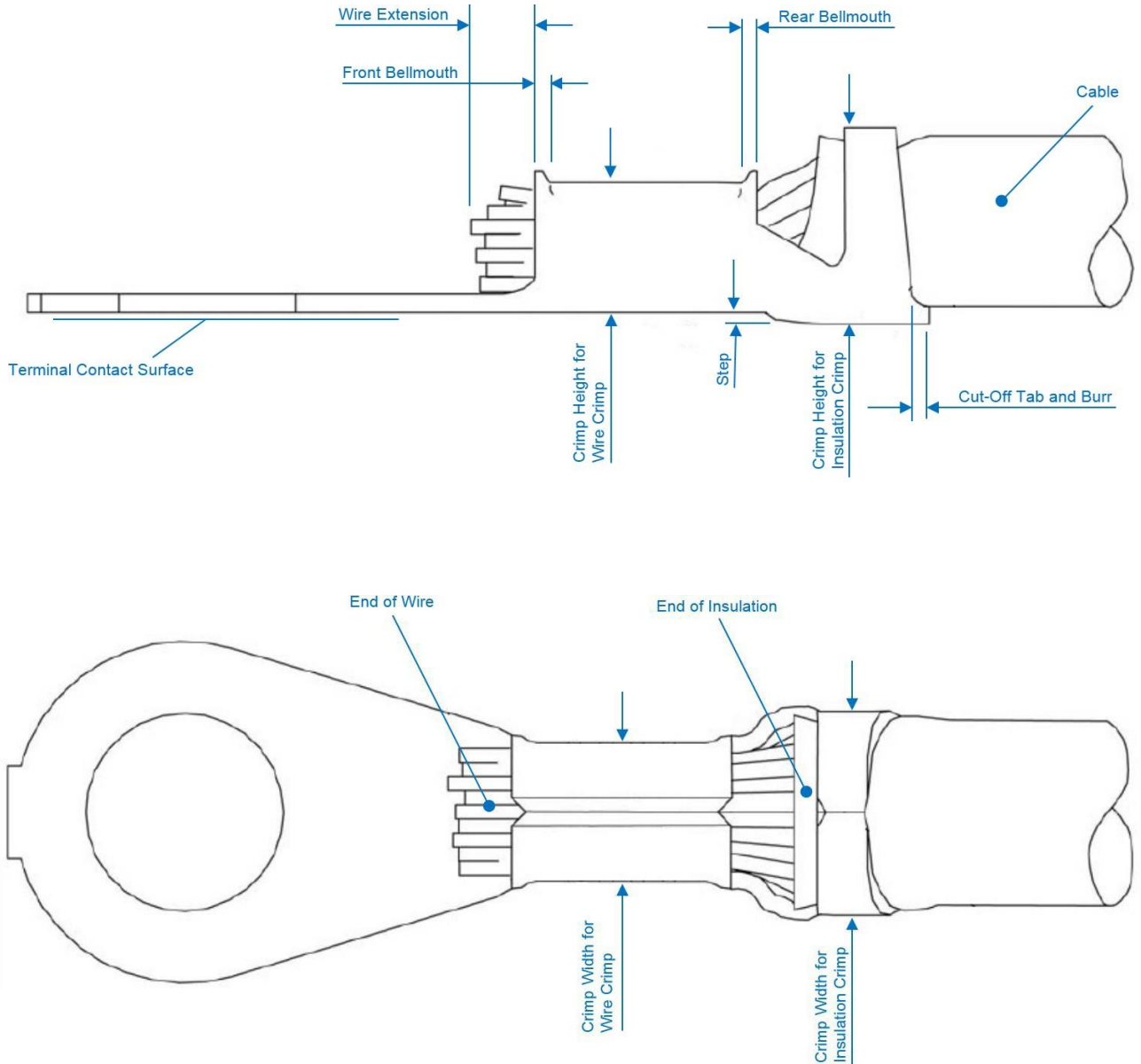


Figure 2

5. CRIMP CONDITION

4.1 Applicator Crimp

Check Items		
1	Front Bellmouth	1.0 mm maximum
2	Rear Bellmouth	1.0 ± 0.5 mm (according spec 114-18022)
3	Cut-Off Tab Length	1.0 mm maximum
4	End of Insulation	must be visible between Wire Barrel and Insulation Barrel

Table 2**6. CRIMP DATA****6.1 Applicator Crimp**







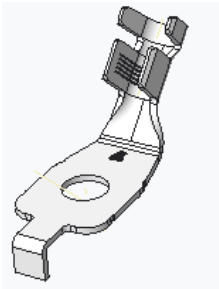
Part Number	Wire Size	Applicator Part Number	Wire Barrel Crimp			Insulation Barrel Crimp	
			Width (mm)	Height (mm)	Type	Width (mm)	Type
1599937-1	10 mm ²	3-2276109-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	5,53 ± 0.05	"F"	9,30	"O"
1599937-3	10 mm ²	3-2276109-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	5,53 ± 0.05	"F"	9,30	"O"
1599940-1	10 mm ²	3-2276110-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	5,53 ± 0.05	"F"	9,30	"O"
1599956-1	10 mm ²	7-1893384-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	5,53 ± 0.05	"F"	9,30	"O"
1599956-3	10 mm ²	7-1893384-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	5,53 ± 0.05	"F"	9,30	"O"
2819150-1	10 mm ²	3-2276111-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	5,53 ± 0.05	"F"	9,30	"O"
2819150-6	10 mm ²	2380198-1	7,72	4,92 ± 0.05	"F"	9,30	"O"
	16 mm ²		7,72	4,90 ± 0.05 *	"F"	9,30	"O"

Table 3

* Increased flexibility cable (504 strands)

Note: *Applicator Kit 7-1893381-1 is used on Applicator 1893294-1
In addition to this specification the requirements of the specification 114-18022 are valid.*

7. DESIGN OF RING TONGUE TERMINALS

1599937-1	1599937-3	1599940-1
		
1599956-1	1599956-3	2819150-1
		
2819150-6	Table 4	
		

Revision Record						
Rev.	Date	Description	Edited	Checked	Approved	
A	05-Oct-2015	Released	S.Oliveira	G. Bonucci	D. Oliveira	
B	25-April-2022	Released	L.Moraes	N. Santos	D. Oliveira	