

The performance of applicable product is guaranteed only when processed by proper application tooling and condition described in this specification and/or AMP recognized ones. No product is guaranteed when processed with the other tool or condition.

**1. Scope**

This specification covers the requirements for crimping of .040NK Non sealed Tab Contact .

**2. Applicable Contacts**

Contact Part Numbers*	Description	Finish	Applicable Wires
Strip Form			
1376039-1,-2	Tab(Small)	Tin-plated or Gold plated	AVSS/CAVS 0.3~0.5 CAVUS 0.3~0.5
1376039-4	Tab(Medium Small )	Tin-plated	AVSS/CAVS 0.85 CAVUS 0.85

**NOTE** Part number is consisted from listed base number and 1 digit numeric prefix and suffix with dash. Refer to catalog or customer drawing for specific part numbers for each base number. When prefix is zero, zero and dash omitted.

**3. Nomenclature**

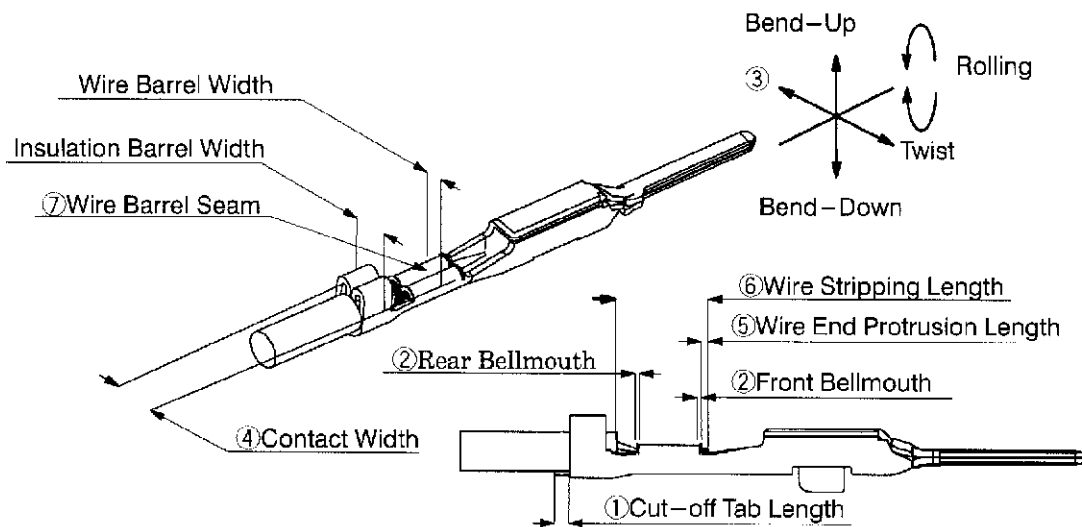


Fig.1

**4. Crimping Condition**

**4.1 Applicator Crimp**

Crimp Condition		Applicable Tab P/N		Remarks
		Tab(S) 1376039-1,-2	Tab(MS) 1376039-4	
1	Cut-off Tab Length	0.5 mm Max.		Fig.1-①
2	Bellmouth	Front	0.2 mm Max.	Fig.1-②
		Rear	0.2~0.5 mm	
3	Deformation After Crimping	Bend	-1° , +2° Max.	
		Twist	±4° Max.	
		Rolling	±10° Max.	
4	Contact Width after Crimping	2mm Max.	2.32mm Max.	Fig.1-④
5	Wire End Protrusion Length	0~1.0 mm		Fig.1-⑤
6	Wire Insulation Stripping Length	4~4.5 mm (before crimping)		Fig.1-⑥
7	Wire Barrel Seam	Seam must be neatly closed. (No strand looses out of the seam.)		Fig.1-⑦
8	Insulation End	Insulation End must be between Wire barrel and Insulation Barrel		Fig.1-⑧

**5. Crimp Data**

**5.1 Applicator Crimp**

Contact Part Number (Strip Form)	Wire Size (Nominal)	Applicator Part Number	Wire Barrel Crimp(mm)			Insulation Barrel Crimp (mm)			Crimp Tensile Strength <sup>(2)</sup> (N)
			Width <sup>(3)</sup>	Height <sup>(1)</sup>	Disk Ltr.	Width <sup>(3)</sup>	Height <sup>(1)</sup>	Disk Ltr.	
1376039-1,-2 (S)	0.3	1463046-2	1.57"F"	0.85	—	1.78"F"	See Para. 6	See Para. 6	59 Min.
	0.5			0.95	—		See Para. 6	See Para. 6	88 Min.
1376039-4 (MS)	0.85	1463048-2	1.78"F"	1.19	—	1.78"F"	See Para. 6	See Para. 6	127 Min.

- NOTE** (1) Wire Barrel Crimp Height to be within  $\pm 0.05$
- (2) Crimp Tensile Strength includes the wire grip of insulation barrel crimp.
- (3) Crimp Width dimensions are not the product width after crimping , but given by the width of crimper slot for reference

**6. Insulation Barrel Crimp Data**

Contact Part Number (Strip Form)	Wire Size (Nominal)	AVSS/CAVS		CAVUS	
		Height <sup>(1)</sup> (mm)	Disk Ltr. (Ref.)	Height <sup>(1)</sup> (mm)	Disk Ltr. (Ref.)
1376039-1,-2(S)	0.3	2.29	—	2.17	—
	0.5	2.37	—	2.25	—
1376039-4(MS)	0.85	2.7	—	2.6	—

- NOTE** (1) Insulation Barrel Crimp Height to be within  $\pm 0.1$

**7. Applicable Wire Data**

Wire Size (Nominal)	Number/ Diameter of conductor (mm)	Calculated Cross sectional Area (mm <sup>2</sup> )	Insulation Diameter (mm)			
			AVSS/CAVS		CAVUS	
			STD.	MAX.	STD.	MAX.
0.3	7/0.26	0.3716	1.4	1.5	1.1	1.2
0.5	7/0.32	0.5629	1.6	1.7	1.3	1.4
0.85	11/0.32	0.8846	1.6	1.9	1.5	1.6

- NOTE** (1) Please follow the clause "6" about applicable wires of each connectors.
- (2) Please follow the instruction sheet or specification of each application connector.  
because that is often different from that of the application connector