DYNAMIC CONNECTOR D4000 Series CONTACT

1. SCOPE

This specification is covered the crimping requirements for DYNAMIC D4000 Series contacts.

2. APPLICABLE PRODUCT PART NUMBER

Applicable product numbers are written below.

Description	Type	Contact features	Part No.	Wire Size mm^2(AWG)	Insulation Diameter (mm)
TAB CONTACT	L	Strip	1747416-2 1-1747416-2(SeqTYPE)	2.08～3.62 (AWG#14～#12)	φ2.9～4.2
		Loose Piece	1747500-2 1-1747500-2(SeqTYPE)		
	M	Strip	1747419-2 1-1747419-2(SeqTYPE)	1.23～2.18 (AWG#16～#14)	φ2.0～3.75
		Loose Piece	1747501-2 1-1747501-2(SeqTYPE)		
	S	Strip	2040016-2 1-2040016-2(SeqTYPE)	0.50～1.42 (AWG#20～#16)	φ1.8～3.23
		Loose Piece	2040586-1 1-2040586-1(SeqTYPE)		
REC CONTACT	L	Strip	1747415-2	2.08～3.62 (AWG#14～#12)	φ2.9～4.2
		Loose Piece	1747498-2		
	M	Strip	1747418-2	1.23～2.18 (AWG#16～#14)	φ2.0～3.75
		Loose Piece	1747499-2		
	S	Strip	2040015-2	0.50～1.42 (AWG#20～#16)	φ1.8～3.23
		Loose Piece	2040587-1		

| Indicates Change

3. NOMENCLATURE AND CRIMPING FEATURES

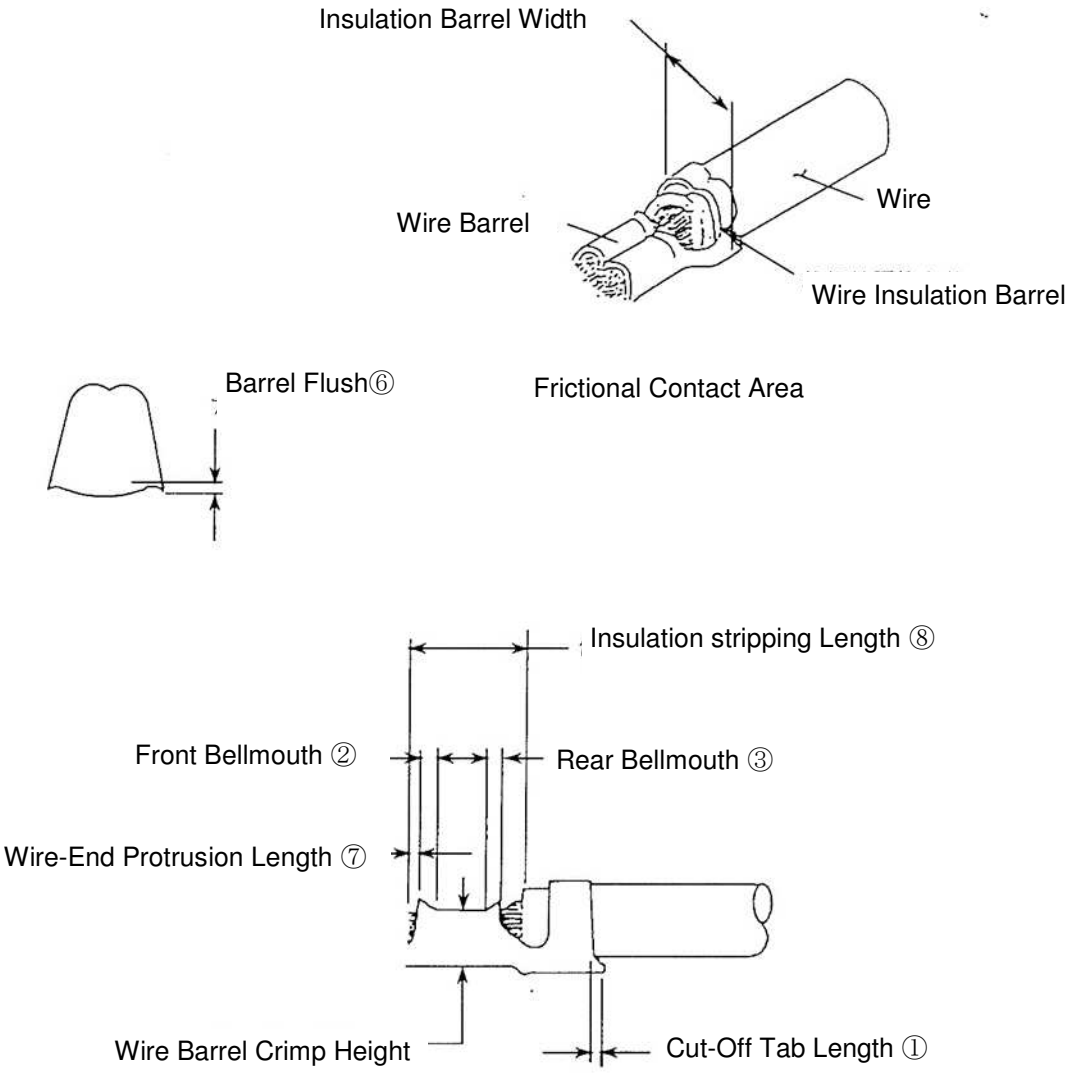

Fig.1

4. CRIMPING CONDITION AND CRIMP DATA

4.1 Crimping Condition

No.	Item		Required condition	Remark
1	Allowable Deviation after Crimping	Bend-up	5°Max.	Fig.2
		Bend-down	5°Max.	Fig.3
		Twisting	5°Max.	Fig.4
		Rolling	5°Max.	Fig.5
2	Cut-Off Tab Length		0.5mm MAX	Fig.1 ①
3	Bell mouth	Front	0.6mm Max (L,M Type) 0.65mm Max (S Type)	Fig.1 ②
		Rear	0.1～0.6mm (L,M Type) 0.9～0.6mm (S Type)	Fig.1 ③
4	Barrel Flush Length		0.3mm Max.	Fig.1 ⑥
5	Wire-End Protrusion Length		0.1～0.9mm	Fig.1 ⑦
6	Insulation stripping Length		4.9～5.4mm	Fig.1 ⑧

Bend-up

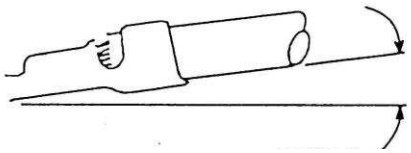

Fig. 2

Bend-down

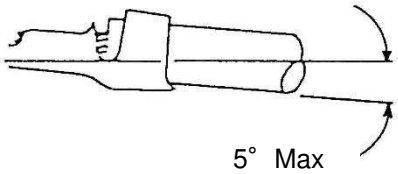

Fig. 3

Twisting

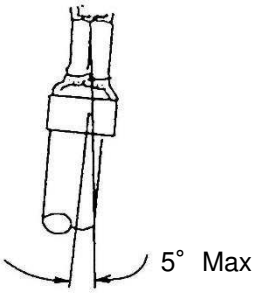

Fig. 4-1

Twisting

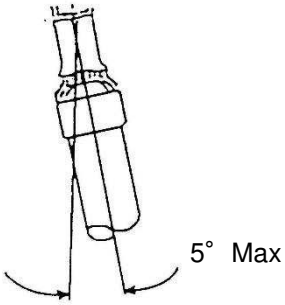

Fig. 4-2

Rolling

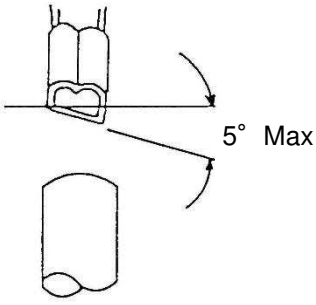

Fig. 5-1

Rolling

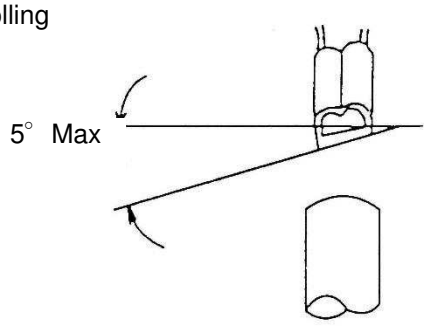

Fig. 5-2

5. CRIMPING DATA

5.1 Applicator

Applicator Number.	Wire Size mm²(AWG)	Wire Barrel Crimp		Insulation Barrel Crimp Width (mm)	Finished insulation Diameter (mm)	Crimp Tensile Strength (N)min.
		Width (mm)	Height ±0.05 (mm)			
2266271-X (1762119-2) (1747415-2) (1747416-2) (1-1747416-2) [L TYPE]	2.08~2.18 (#14)	3.05 "F"	1.9	4.83 "F"	2.9~4.2	214
	3.09~3.62 (#12)		2.17			245
2266270-X (1747418-2) (1747419-2) (1-1747419-2) [M TYPE]	1.23~1.38 (#16)	2.79 "F"	1.54	4.06 "F"	2.0~3.75	186
	2.08~2.18 (#14)		1.79			214
2266289-X (2040016--2) (1-2040016-2) (2040015-2) [S TYPE]	0.50~0.60 (#20)	2.79 "F"	1.18	3.56 "F"	1.8～3.23	73
	0.81～0.96 (#18)		1.28			117
	1.23～1.42 (#16)		1.41			186

5.2 Hand Tool

Hand Tool Number.	Wire Size mm^2(AWG)	Wire Barrel Crimp			Insulation Barrel Crimp Width (mm)	Finished insulation Diameter (mm)	Crimp Tensile Strength (N)min.
		Width (mm)	Height (mm)	Disk Symbol			
1762129-1 (1747498-2) (1747500-2) (1-1747500-2) [L TYPE]	2.08~2.18 (#14)	3.05 “F”	1.82~1.97	A	4.83 “F”	2.9~3.8	214
	3.09~3.62 (#12)		2.10~2.25	B		3.8~4.2	245
1762130-1 (1747499-2) (1747501-2) (1-1747501-2) [M TYPE]	1.23~1.38 (#16)	2.79 “F”	1.44~1.60	A	4.06 “F”	2.0~3.2	186
	2.08~2.18 (#14)		1.68~1.84	B		2.8~3.75	214
2047670-1 (2040586-1) (1-2040586-1) (2040587-1) [S TYPE]	0.50～0.96 (#18～#20)	2.79 “F”	1.19~1.29	A	3.56 “F”	1.8～2.7	AWG#20: 73 AWG#18: 117
	1.23～1.42 (#16)		1.35~1.45	B		2.4~3.23	186

【a】 It is recommended to daub lubricant to crimp part of hand tool before crimp.
PN of lubricant: 22014-1, 939691-1