Application Specification

114-106094

GRACE INERTIA CONNECTOR 3.3 CONTACT

1. Applicable Product Part Number

Description	Part No.	Wire Size mm²(AWG)	Insulation Diameter (mm)
REC CONTACT	1983780-1	0.21～0.53 (AWG#24～#20)	φ1.5～2.5

Strip Contact for Application Crimp

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* : Trademark

2. Nomenclature and Crimping Features:

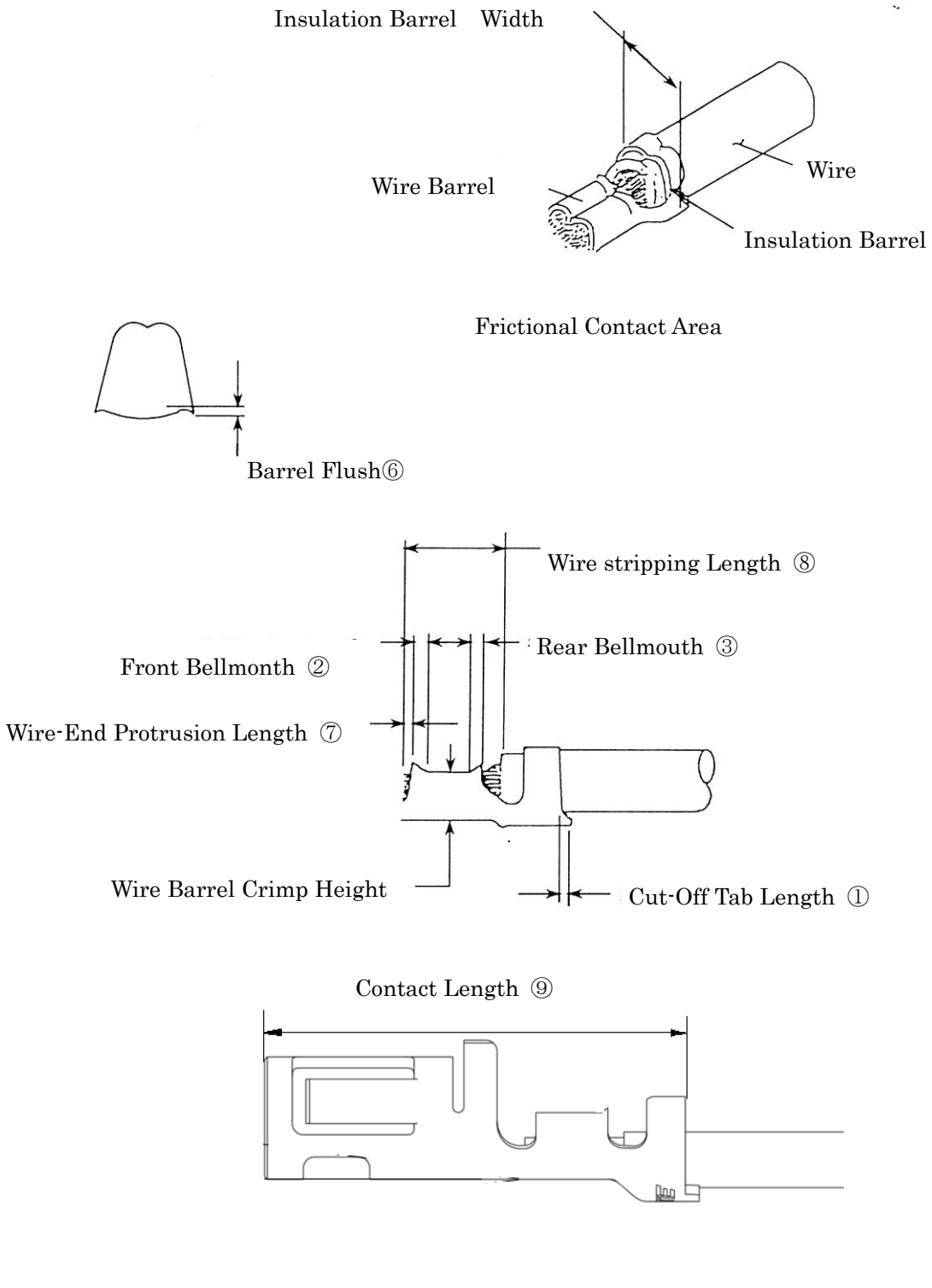


Fig.1

3. Crimping Conditions and Crimp Data:

3.1 Crimping Conditions:

No.	Item		Spec	Refer
1	Allowable Deviation after Crimping	Bend-up	3° Max.	Fig.2 ①
		Bend-down	3° Max.	Fig.3 ②
		Twisting	3° Max.	Fig.4 ③
		Rolling	5° Max.	Fig.5 ④
2	Cut-Off-Tab Length		0.25mm (MAX)	Fig.1 ①
3	Bellmouth	Rear	0.1～0.3mm	Fig.1 ③
4	Anvil Flush		0.2mm Max.	Fig.1 ⑥
5	Wire-End Protrusion Length		0.1～0.65mm	Fig.1 ⑦
6	Insulation stripping Length	One-Wire Crimp	2±0.3mm	Fig.1 ⑧
7	Contact length		8.3±0.2mm	Fig.1 ⑧

① Bend-up

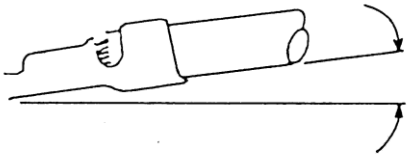


Fig. 2

② Bend-down

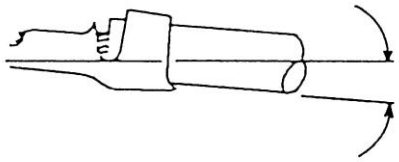


Fig. 3

③ Twisting

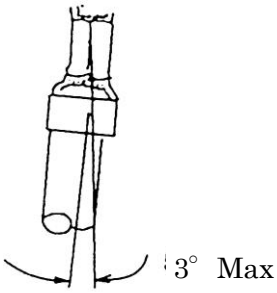


Fig. 4-1

③ Twisting

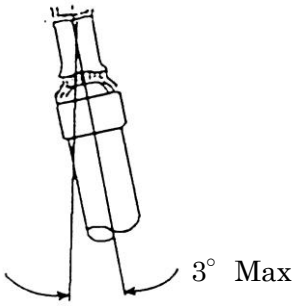


Fig. 4-2

④ Rolling

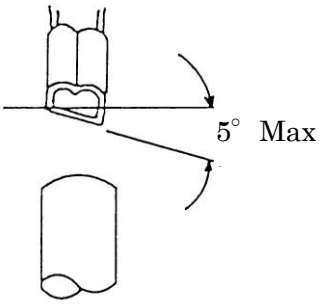


Fig. 5-1

④Rolling

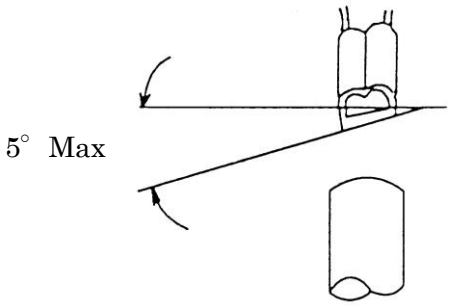


Fig. 5-2

3-2. Crimping Data

Application Crimp

Applicator Number.	Wire Size		Insulation Stripping Length ± 0.5(mm)	Wire Barrel Crimp			Insulation Barrel Crimp		Finished insulation Diameter (mm)	Crimp Tensile Strength (kg)min.
	No.	mm²(AWG)		Width (mm)	Height ±0.03 (mm)	Disk Symbol	Width (mm)	Height (mm)		
1762389-2 (＊1) ; 2088571-2; 1552510-2	1	0.21~0.23 (#24)	2	1.27 "F"	0.74	C	2.6"F"	(＊2)	1.5～2.5	3
	1	0.31～0.38 (#22)			0.80	B				5
	1	0.51～0.53 (#20)			0.93	A				6

(＊1) 1762389-2 are not available on TE now .

(＊2) Insulation barrel crimp height must apply following

①Applicable wire insulation dia φ1.5～φ2.0 : 2.4mm Min.

②Applicable wire insulation dia φ2.0～φ2.5 : 2.7mm Min

3-2-2 Hand Tool Crimp

Hand Tool Number.	Wire Size		Insulation Stripping Length ±0.5(mm)	Wire Barrel Crimp			Insulation Barrel Crimp Width (mm)	Finished insulation Diameter (mm)	Crimp Tensile Strength (kg)min.
	No.	mm²(AWG)		Width (mm)	Height ±0.05 (mm)	Disk Symbol			
1762390-1	1	0.21~0.23 (#24)	2	1.27 "F"	0.75	B	2.6"F"	1.5～2.5	3
	1	0.31～0.38 (#22)							5
	1	0.51～0.53 (#20)			0.90	A			6