

Crimping of Sealed 0.64 Receptacle Contact

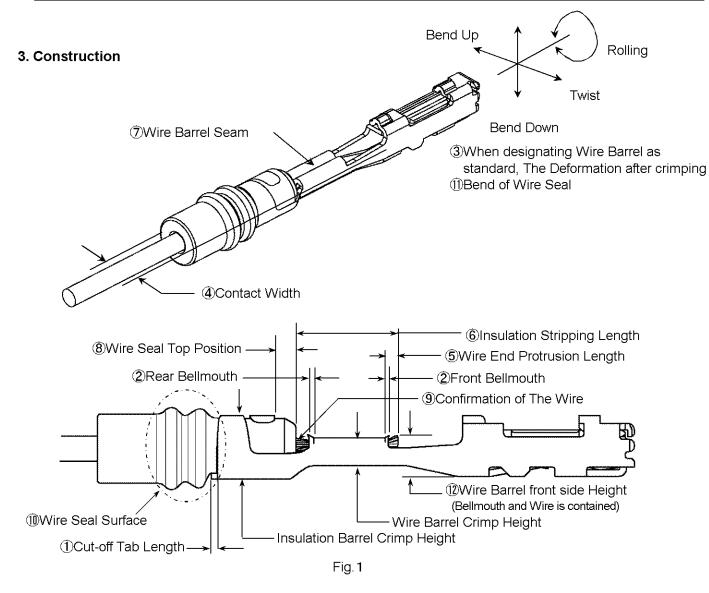
The performance of applicable product is guaranteed only when processed by proper application tooling and condition described in this specification and/or TE recognized ones. No product is guaranteed when processed with the other tool or condition

1. Scope

This specification covers the requirements for crimping of Sealed 0.64 Receptacle Contact.

2. Applicable Contacts

TE Part numbers		Finish	Applicable Mires	Applicable Wire Seal			
Strip Form	Loose Piece	Finish	Applicable Wires	(TOYOTA Part Numbers)			
1612290-1		Pre-Tin	CAN 0.22mm ²	90980-09996			
			CHFUS 0.35mm ²	90980-09A75			
		Selective Gold	AVSS/AVSSH/AVSSX/CAVS 0.3mm ²				
1612290-2			AESSX 0.3mm ²	90980-09A76			
2040168-1		Pre-Tin	AVSS/AVSSH/AVSSX/CAVS/AESSX 0.5mm ²	90980-09996			
2040168-2			CHFUS 0.5mm ²	90980-09A75			





4. Crimping Condition

Applicator Crimp

Check Items			CAN 0.22	Remarks					
1	1 Cut-off Tab Length			0.3mmMax.					
2	Bellmouth	Front		0.2mmMax. 0.1 ~ 0.4 mm		Fig.1-2			
		Rear		- ig. i 😉					
	When designating	Bend							
_	Wire Barrel as	Twist		-: 4 🚳					
3	standard, The Deformation after Crimping	Rolling		Fig.1-3					
4	Contact Width Crimping	after		Fig.1-4					
5	5 Wire End Protrusion Length			0~1 mm					
6	Insulation Stripping	g Length		Fig.1-6					
7	Wire Barrel Se	eam		Fig.1-(7)					
8	Wire Seal Top Po	osition	Pro	Fig.1-8					
9	Wire Positio	n	The wire th	Fig.1-9					
10	Wire Seal Surf	face	There a	Fig.1-1					
11	Bend of Wire T		(Scratch, Crack etc.) wist ±3°Max.						
	Seal	Bend	end Up: 10°Max. ∕ Down: 2°Max.						
12	Wire Barrel front side Height (Bellmouth and Wire is contained)			1.6mm Max.					

5. Crimp Data

Applicator Crimp

Contact Part Number	Wire Size	Applicator		rrel Crimp nm)	Insulation E (m	Crimp Tensile	
(Strip Form)	(Nominal)	Part Number	Width ⁽³⁾	Height	Width ⁽²⁾⁽³⁾	Height	Strength(N)
1612290-1 1612290-2	CAN 0.22		1.4 "F"	0.85 ⁽¹⁾			30Min.
	0.3 0.3f	Old part No. ⁽⁶⁾		0.96 ⁽¹⁾			
	CHFUS 0.35	1596932-2			2.29 "O"	Refer to Section 6	50Min.
2040168-1 2040168-2	CHFUS 0.5 0.5 0.5f	2088862-2 Old part No. ⁽⁶⁾ 2047610-2		1.1 ⁽⁵⁾			70Min.

NOTE (1) Wire Barrel Crimp Height to be within ±0.04mm.

- (2) Insulation Barrel Crimp Width to be within ±0.1mm
- (3) Crimp Width dimensions are not the product width after crimping, but they are given by the width of crimper slot for reference. Wire Barrel Crimp Width 1.45 $_0^{+0.15}$ mm (Reference Only)
- (4) Wire Barrel Crimp Height to be within ±0.03mm.
- (5) Wire Barrel Crimp Height to be within ±0.05mm.
- (6) Please contact to sales desk because of obsoleted part.

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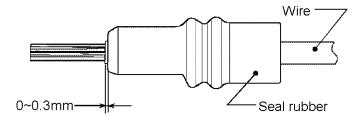
6. Crimp Data of Insulation Barrel

Contact	Wire Size	CAN CHFUS		AVSS/ CAVS	AVSSX/ AVSSH	
Part Number (Strip Form)	(Nominal)	Height (mm)	Height (mm)	Height (mm)	Height (mm)	
	0.22	2.2	-	-	-	
1612290-1 1612290-2	0.3 0.3f 0.35	-	2.3	2.3	2.3	
2040168-1 2040168-2	0.5 0.5f	-	2.4	2.4	2.4	

NOTE (1) Insulation Barrel Crimp Height to be within ±0.05mm

7. Seal Rubber Installation

The length of the protruding wire insulation from the edge of Seal Rubber which inserted to cable wire shall be within 0~0.3mm. (Refer to the illustration below)

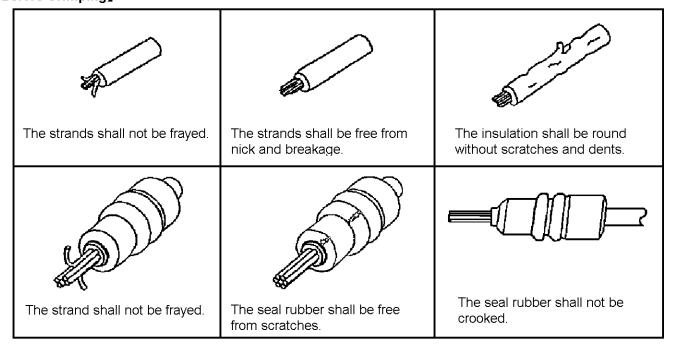


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8. Notics of Seal Rubber Crimping

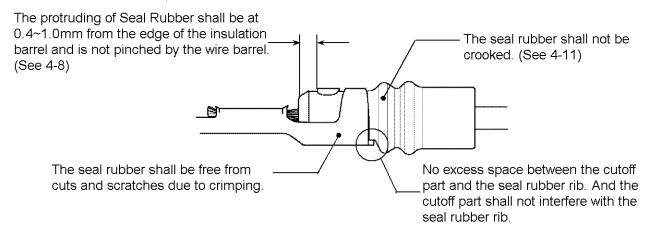
The wire and seal rubbers illustrated below shall be reworked or replaced in order to be cause of water leakage.

[Before Crimping]



[After Crimping]

The wire barrel shall not pinch the seal rubber and the wire insulation.



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9. Applicable Wire Data

Wire Size (Nominal)	Number /Diameter (mm) of Conductor	Calculated Cross sectional Area (mm²)	Insulation Diameter (mm)									
			CAN		CHFUS		AVSS/ AVSSH/ CAVS		AESSX		AVSSX	
			STD.	Max.	STD.	Max.	STD.	Max.	STD.	Max.	STD.	Max.
CAN 0.22	7/ circular compression	0.2199	1.4	1.5	_	_	_	_	_	_	_	_
0.3	7/0.26	0.3716	_	_	_	_	1.4	1.5	_	_	_	_
CHFUS 0.35	7/ circular compression	0.3436	_	1	1.10	1.20	ı	_	_	_	1	
0.3f	19/0.16	0.3821	_	_	_	_	1.4	1.5	1.4	1.5	1.4	1.5
CHFUS 0.5	7/ circular compression	0.4948	_	_	1.25	1.40	_	_	_	_	_	_
0.5	7/0.32	0.5629	_	_	_	_	1.6	1.7	_	_	_	_
0.5f	19/0.19	0.5387	_	_	_	_	1.6	1.7	_	_	1.6	1.7

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