
SUPER SEAL CONNECTOR For ACW0219 WIRE
SUPER SEAL コネクタ

1. PURPOSE

This crimping specification covers the requirements for crimping of Super-Seal Connector receptacle contact for ACW0219 wire

2. CRIMPING SPECIFICATIONS**2-1. Applicable receptacle contacts**

3-1447221-3 (Old P/N : 3900187-01)

3-1447221-4 (Old P/N : 3900187-02)

2-2. Crimping Specification 1

For Wire Barrel

Wire Type		Contact	Applicable Wire Size		Required C
Part Number		Part Number (Old P/N)	No. of Wires / Wire Diameter (No. / mm)	Calculated area (mm ²)	Width (mm)
ACW0219	-0.50	3-1447221-4 (3900187-02)	19 / 0.18	0.483	1.60±0.1
	-0.75	3-1447221-3 (3900187-01)	19 / 0.23	0.789	1.85±0.1
	-1.00		19 / 0.25	0.933	1.85±0.1

For Insulation Barrel

Wire Type		Insulation Size		Required C
Part Number		Thickness (mm)	Overall Diameter (mm)	Width (mm)
ACW0219	-0.50	0.22	1.5±0.1	2.3max
	-0.75	0.24	1.8±0.1	
	-1.00	0.24	2.0±0.1	2.35max.

Applicator Part Numbers

Applicator P/N	Contact P/N	Wire Sieze (mm ²)	
1463174-2	3-1447221-4	0.5	For AMP-
1463173-2	3-1447221-3	0.5 – 1.0	For AMP-

- *2 Crimping height and width of insulation barrel shall not result in the drawing from the barrel part by excessive crimping height, width or drawing from the barrel part by the broken over in the bending test as shown in Fig. 2.

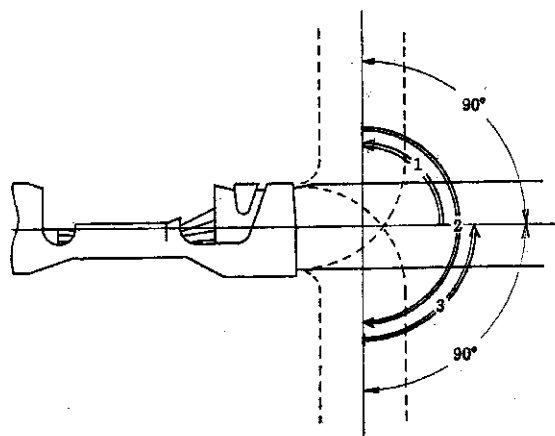


Fig. 2

2-3. Crimping Specification 2

Table 3

Position of Fig. 2	Item	Specification
①	Bent up	3° or less
②	Bent down	3° or less
③	Twist	3° or less
④	Rolling	6° or less
⑤	Bell mouse	0.2~0.4mm
⑥	Seam	It shall be closed and core wire shall not be projected.
⑦	Wire projecting length	0.3~0.8mm
⑧	Insulation projecting length	Over 0.5mm, wheeas, core wire shall be seen from top side.
⑨	Interval between burrand bottom	0 or more
⑩	Sripped wire length (reference value)	3.5 $\begin{smallmatrix} +1 \\ -0 \end{smallmatrix}$ mm

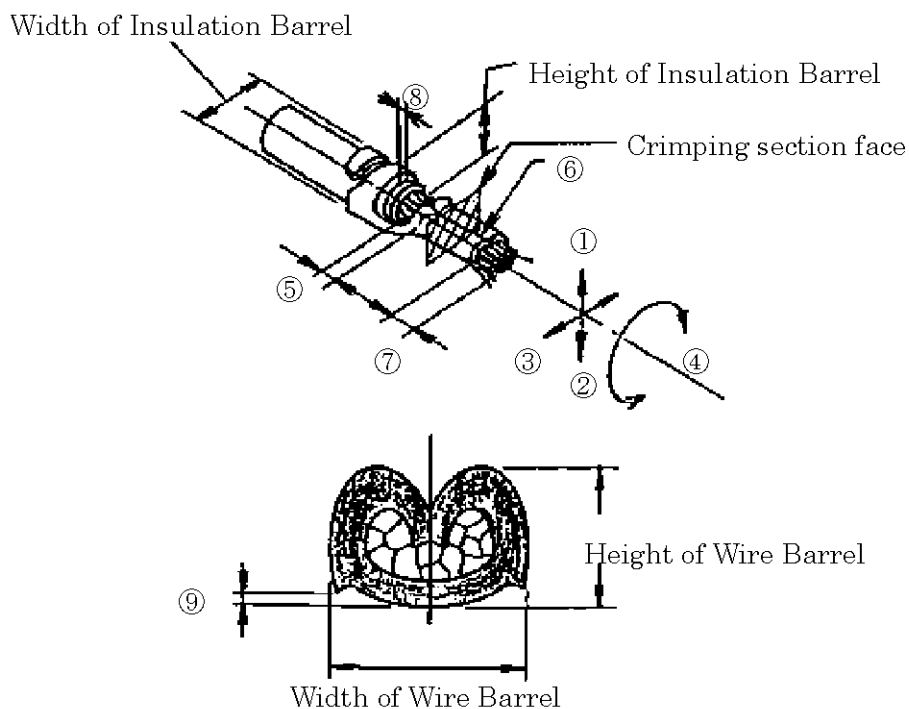


Fig. 3

Note 2 : During operating of stripping the isolator and crimping, make sure that harmful crack, scar and deformity on the insulation do not occur.