



SUPER SEAL CONNECTOR For ACW0219 WIRE

Application Specification

114-78016

17 OCT 18 Rev.A

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 Crimping Size		Tensile Strength
Part Number		Part Number (Old P/N)	No. of Wires/ Wire Diameter (No./mm)	Calculated area (mm ²)	Width (mm)	Height (mm)	
ACW0219	-0.50	3-1447221-4 (3900187-02)	19 / 0.18	0.483	1.60±0.1	0.90±0.05	50Nmin. (5.1kgf)
	-0.75	3-1447221-3 (3900187-01)	19 / 0.23	0.789	1.85±0.1	1.00±0.05	90Nmin. (9.2kgf)
	-1.00		19 / 0.25	0.933	1.85±0.1	1.10±0.05	110Nmin. (11.2kgf)

For Insulation Barrel

Wire Type		Insulation Size		Required Crimping Size	
Part Number		Thickness (mm)	Overall Diameter (mm)	Width (mm)	Height (mm)
ACW0219	-0.50	0.22	1.5±0.1	2.3max.	2.2max.
	-0.75	0.24	1.8±0.1		
	-1.00	0.24	2.0±0.1	2.35max.	2.35max.

Application part Numbers

Application P/N	Contact P/N	Wire Size (mm ²)	
1463174-2	3-1447221-4	0.5	For AMP-O-Lectric Terminator
1463173-2	3-1447221-3	0.5 - 1.0	For AMP-O-Lectric Terminator

*1 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. 1.

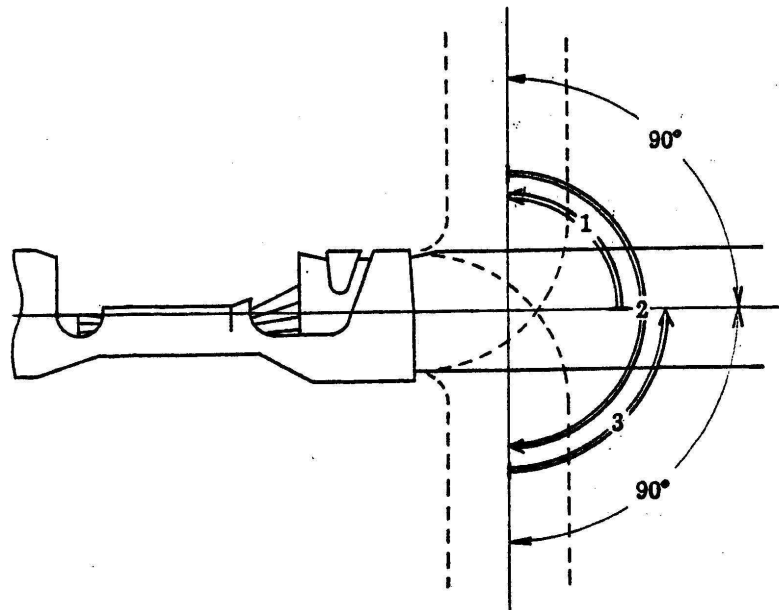


Fig. 1

2-3. Crimping Specification 2

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, whereas, core wire shall be seen from top side.
⑨	Interval between burr and bottom	0 or more
⑩	Stripped wire length (reference value)	3.5 $\begin{matrix} +1 \\ -0 \end{matrix}$ mm

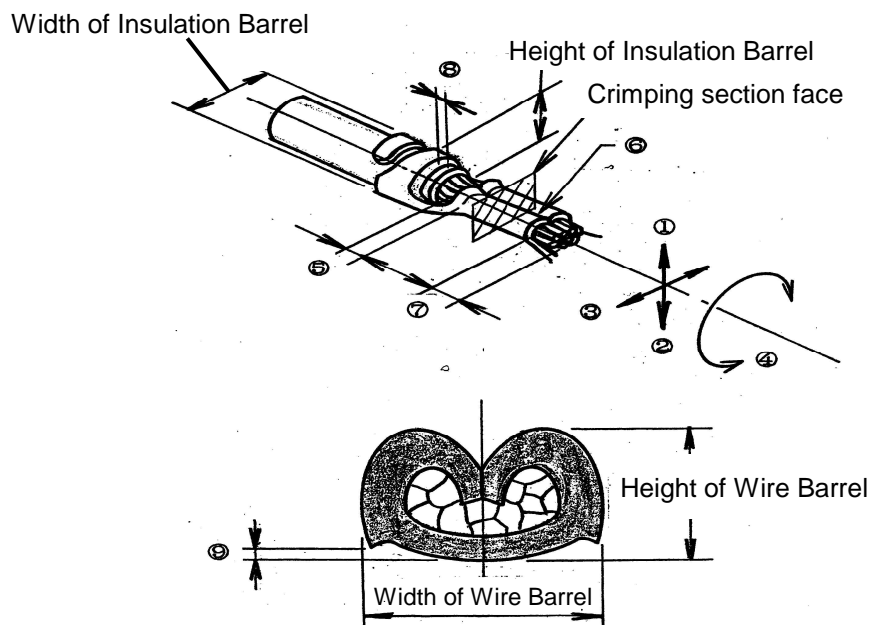


Fig. 2

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