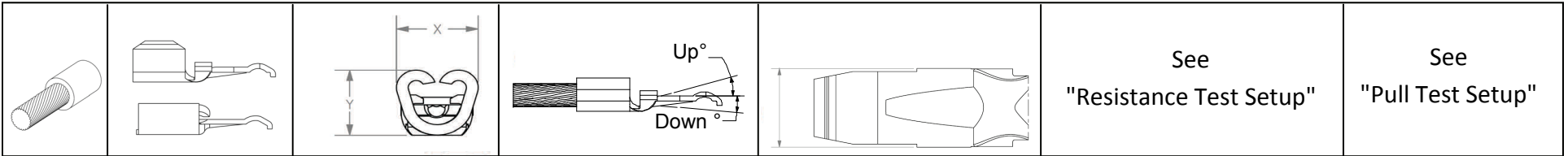


Crimp Specification for SBS™ Mini Series Contact

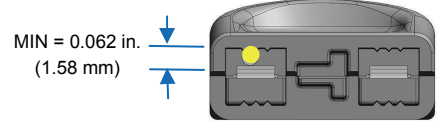


All Criteria Must Be Achieved for Proper Crimp Fit & Function

Wire Size	Contact Series	Maximum Crimp Barrel Dimensions				Maximum Blade Angle Distortion (Degrees)	Reel Cutoff Width MAX / MIN				Tin Plated Contacts	Silver Plated Contacts	Wire Pull Out Force (MIN)	Wire Pull Out Force (MIN)
		X		Y			MAX		MIN		Milli-ohm Resistance (MAX)	Milli-ohm Resistance (MAX)	lbf	N
		In	mm	In	mm		In	mm	In	mm				
10 AWG	26XXX Series	0.166	4.21	0.162	4.11	+5 up / '-2 down	0.155	3.93	0.142	3.61	0.11	0.09	70	312
12 AWG	26XXX Series	0.166	4.21	0.162	4.11	+5 up / '-2 down	0.155	3.93	0.142	3.61	0.12	0.10	70	312
	1331					+5 up / '-2 down					N/A			
14 AWG	26XXX Series	0.166	4.21	0.162	4.11	+5 up / '-2 down	0.155	3.93	0.142	3.61	0.13	0.11	50	223
	1331					+5 up / '-2 down					N/A			
16 AWG	26XXX Series	0.166	4.21	0.162	4.11	+5 up / '-2 down	0.155	3.93	0.142	3.61	0.14	0.12	30	134
	1331/1332					+5 up / '-2 down					N/A			
18 AWG	26XXX Series	0.166	4.21	0.162	4.11	+5 up / '-2 down	0.155	3.93	0.142	3.61	0.16	0.13	20	89
	1332					+5 up / '-2 down					N/A			
20 AWG	26XXX Series	0.166	4.21	0.162	4.11	+5 up / '-2 down	0.155	3.93	0.142	3.61	0.18	0.14	13	58
	1332					+5 up / '-2 down					N/A			

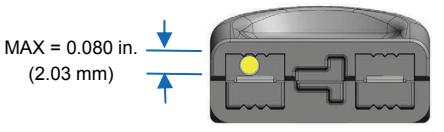
Measure Blade Angle

UP Blade Angle Distortion



MIN = 0.062 in.
(1.58 mm)

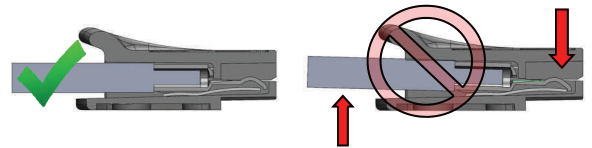
DOWN Blade Angle Distortion



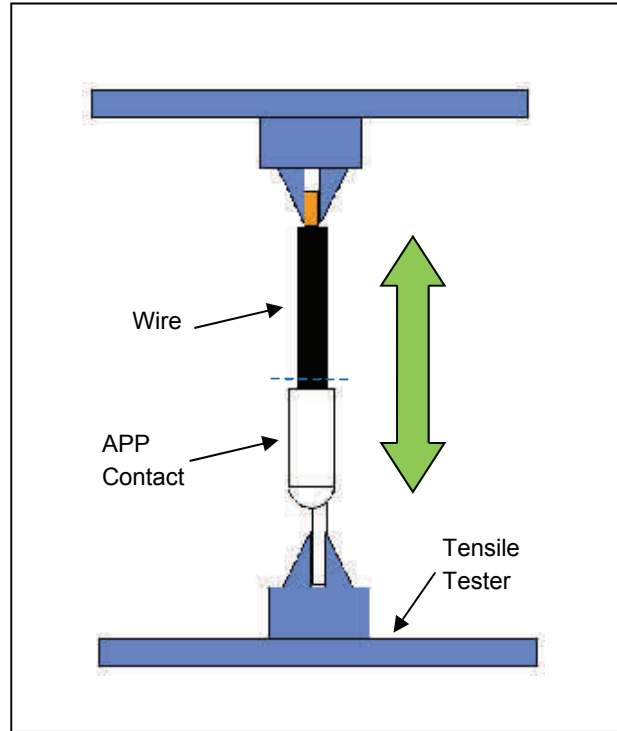
MAX = 0.080 in.
(2.03 mm)

Note: Measure with solid steel pin gauge after contact is inserted

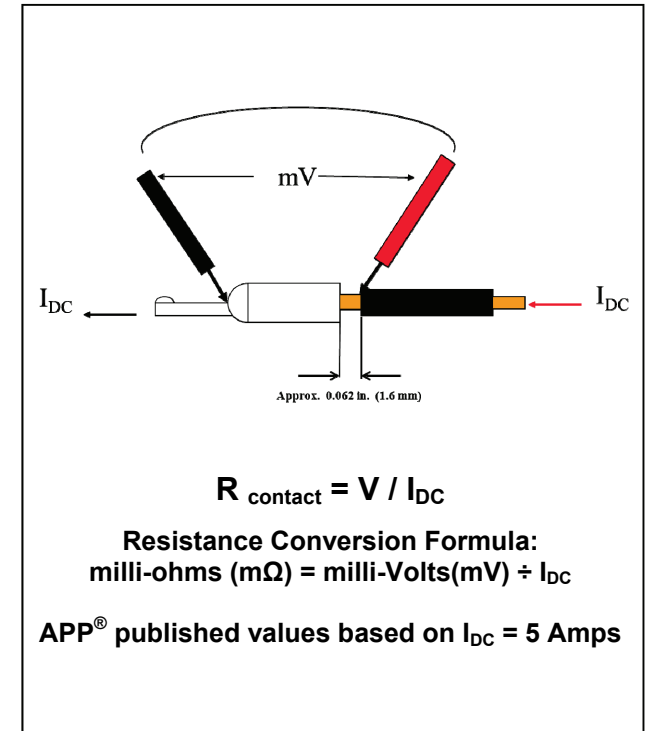
Only Measure Properly Trained Wires



Pull Test Setup



Resistance Test Setup



The included crimp performance and dimensional information are provided as a means to verify quality crimping of Anderson Power Products® (APP®) contacts and is based on the use of APP® tooling. The assembly of connector solutions with APP® tooling assures that all crimp performance and fit specifications are met. Customers must regularly re-check electrical performance and dimensions of crimps to determine if APP® crimp tools require maintenance due to wear over time.

The use of tooling not recommended by APP® can affect performance and may void the APP® product warranty as well as invalidate safety agency approvals or certifications.

Dimensions of crimps meeting all five performance and fit requirements may be recorded and used as quality acceptance criteria:

(1) "Milli-ohm Resistance"	Primary inspection criteria. Crimps which do not meet these minimum specifications are unacceptable.
(2) "Wire Pull Out Force"	
(3) "Maximum Crimp Barrel Dimensions"	Not to be interpreted as target crimp dimensions. They are the maximum dimensions that allow the contact to properly fit into the connector housing. Actual dimension of acceptable quality crimps will be less than the "Max Dimensions" in at least one if not both dimensions.
(4) "Maximum Blade Angle Distortion"	Required to ensure proper contact retention in the housing. Out of specification contacts can increase milli-ohm resistance of an assembled mated pair of connectors. Contacts with unacceptable blade angle distortion cause connector mating and unmating forces to deviate from specification.
(5) "Reel Cutoff Width" (for contacts purchased on a reel only)	A properly setup applicator trims off the carrier strip on reeled contacts without cutting into the contact mating surface area. Not exceeding maximum dimensions allow the contact to properly fit into the connector housing. Not violating the minimum dimensions protects the contacts from damage. Crimp cutoff must be symmetric.

Quality crimping of the contact alone does not assure the installed performance of the connector system. Stress loads on the contacts from wires which have been bent or twisted near to the connector's wire exit may severely degrade connector performance. Wires should exit straight from the back of the connector and be secured before bending or twisting.

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