

1. Scope

This specification applies to insulated aluminum compression sleeves used in non-tension splicing of aluminum to aluminum or aluminum to copper conductors.

2. Reference Standards

Insulated compression sleeves shall comply with the latest revisions of the following standards:

District Standards

[Compatible Unit Z1100 - Z1120](#) Insulated Service Entrance Sleeves

Industry Standards

ANSI C119.4-2011 American National Standard for Electrical Connectors — Connectors for Use Between Aluminum-to-Aluminum and Aluminum-to-Copper Conductors Designed for Normal Operation at or Below 93°C and Copper-to-Copper Conductors Designed for Normal Operation at or Below 100°C

3. Construction

Insulated compression sleeves shall be manufactured from high-conductivity aluminum with an extruded insulating nylon jacket and a solid center stop. Each connector shall be factory filled with an oxide inhibiting compound and sealed with permanently attached polyethylene end caps. Refer to the table below for allowable connector dimensions, color codes and die requirements. Each connector must be permanently marked with conductor size, color code, die numbers, number of crimps, manufacturer's name or trademark and catalog number.

Material ID	End A	End B	Color Code	Length	Installation Dies
221599	#8 Str. - #6 Sol.	#8 Str. - #6 Sol.	Green - Green	3-1/4" ± 1/8"	5/8" or BG
1003558	#6 Str. - #4 Sol.	#8 Str. - #6 Sol.	Blue - Green	3-1/4" ± 1/8"	5/8" or BG
221606	#6 Str. - #4 Sol.	#6 Str. - #4 Sol.	Blue - Blue	3-1/4" ± 1/8"	5/8" or BG
221614	#4 Str. - #2 Sol.	#6 Str. - #4 Sol.	Orange - Blue	3-1/4" ± 1/8"	5/8" or BG
221622	#4 Str. - #2 Sol.	#4 Str. - #2 Sol.	Orange - Orange	3-1/4" ± 1/8"	5/8" or BG
221630	#2 Str. - #1 Sol.	#6 Str. - #4 Sol.	Red - Blue	3-1/4" ± 1/8"	5/8" or BG
221648	#2 Str. - #1 Sol.	#4 Str. - #2 Sol.	Red - Orange	3-1/4" ± 1/8"	5/8" or BG
221656	#2 Str. - #1 Sol.	#2 Str. - #1 Sol.	Red - Red	3-1/4" ± 1/8"	5/8" or BG
221664	1/0 Str.	#4 Str. - #2 Sol.	Yellow - Orange	3-1/4" ± 1/8"	5/8" or BG
221672	1/0 Str.	#2 Str. - #1 Sol.	Yellow - Red	3-1/4" ± 1/8"	5/8" or BG
221680	1/0 Str.	1/0 Str.	Yellow - Yellow	3-1/4" ± 1/8"	5/8" or BG

Material ID	End A	End B	Color Code	Length	Installation Dies
221698	2/0 Str.	#2 Str.	Gray - Red	5-1/2" ± 1/8"	840
221705	2/0 Str.	1/0 Str.	Gray - Yellow	5-1/2" ± 1/8"	840
221713	2/0 Str.	2/0 Str.	Gray - Gray	5-1/2" ± 1/8"	840
221739	3/0 Str.	#2 Str.	Black - Red	5-1/2" ± 1/8"	840
221747	3/0 Str.	1/0 Str.	Black - Yellow	5-1/2" ± 1/8"	840
221763	3/0 Str.	3/0 Str.	Black - Black	5-1/2" ± 1/8"	840
221789	4/0 Str.	#2 Str.	Pink - Red	5-1/2" ± 1/8"	840
221797	4/0 Str.	1/0 Str.	Pink - Yellow	5-1/2" ± 1/8"	840
221804	4/0 Str.	2/0 Str.	Pink - Gray	5-1/2" ± 1/8"	840
221812	4/0 Str.	3/0 Str.	Pink - Black	5-1/2" ± 1/8"	840
221820	4/0 Str.	4/0 Str.	Pink - Pink	5-1/2" ± 1/8"	840