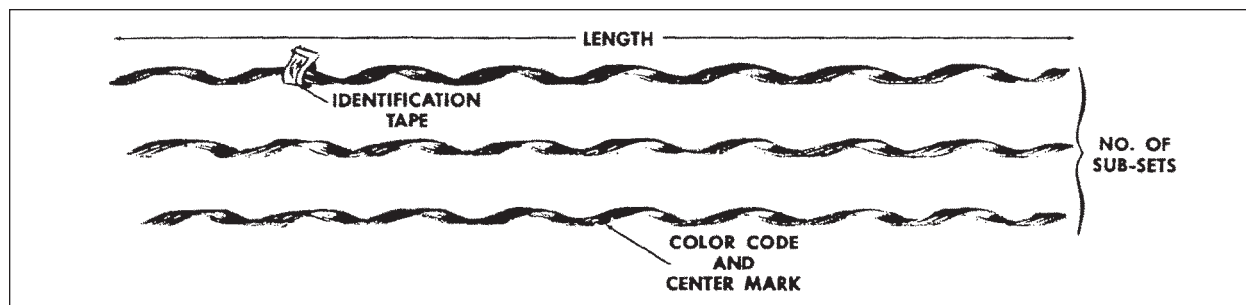


# Strand Splice

## NOMENCLATURE



**Sub-Sets:** Individual rods assembled and gritted into groups. The number of sub-sets per splice corresponds to the tabular information appearing on the catalog pages.

**Center Mark:** Establishes recommended alignment of strand size, corresponding to tabular information appearing on catalog page.

**Identification Tape:** Shows catalog number, nominal sizes.

## GENERAL RECOMMENDATIONS

Strand Splices are intended for use on guys or messengers. Strand splices were not designed nor tested for use on overhead shield wires and are not intended for that application.

**JOINING:** These splices have a rated holding strength which is equivalent to the rated breaking strength of the strand.

**RESTORATIVE-REPAIR:** When the *Strand Splice* is centered over the point of damage, the full rated breaking strength of the strand will be restored.

Consult the Factory when the damage is located beyond the center of the immediate support area.

**RATED HOLDING STRENGTH:** Strand splices are rated for 100% of the strands published rated breaking strength unless otherwise noted. In arriving at "Rated Hold Strength," actual results of tests on unweathered strand are studied, and consideration is given to dimensional tolerances for the sizes encompassed.

**APPLICATION-INSPECTION:** *Strand Splices* should not be reused after original application. Lay direction of both the splice and the strand should be the same. Most strand is left-hand lay.

On lashed messenger, Strand Splices permit the spinner to travel over the splice without the need of lifting or adjusting the gates.

Alignment of the ends of the rods should be maintained within 1/2 pitch length.

**MATERIAL SELECTION:** *Strand Splices* are made of the same basic material as the strand to which they are applied. This pertains to galvanized, Copperweld, Aluminum-clad, stainless Type 302, and stainless Type 316. Any of these materials can be selected from the catalog tables. The recommended types of strand are also indicated.

## SAFETY CONSIDERATIONS

1. This product is intended for a single (one-time) use and for the specified application. CAUTION: DO NOT REUSE OR MODIFY THIS PRODUCT UNDER ANY CIRCUMSTANCES.
2. This product is intended for use by trained craftspeople only. This product SHOULD NOT BE USED by anyone who is not familiar with and trained in the use of it.
3. When working in the area of energized lines with this product, EXTRA CARE should be taken to prevent accidental electrical contact.
4. For PROPER PERFORMANCE AND PERSONAL SAFETY be sure to select the proper size PREFORMED™ Strand Splices before application.
5. PREFORMED Strand Splices are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.



# Strand Splice: Galvanized Steel

**For use on:  
Extra High Strength, High Strength,  
Siemens Martin, Utilities Grade<sup>2</sup>**

Catalog Number	Strand			Units	Wt./Lbs.	Length (In.)	No. of Subsets	Rod Diameter (In.)	Color Code
	Size (In.)	Construction	Actual Diameter (In.)	Per Carton					
GLS-2102	3/16	7W 7W	.195 .186	100	30	27	2	.070	Red
GLS-2103	7/32	7W	.216	100	36	29	2	.070	Green
GLS-2104	1/4	3W 7W	.259 .240	50	34	35	2	.086	Yellow
GLS-2105	9/32	7W	.279	50	36	38	2	.086	Blue
GLS-2106	5/16	3W 7W	.312 .327	50	46	42	3	.086	Black
GLS-2107	3/8	3W 7W	.356 .360	25	38	50	3	.100	Orange
GLS-2108	7/16	7W	.435	25	58	56	3	.119	Green
GLS-2109	1/2	7W 19W	.495 .500	10	36	63	3	.138	Blue
GLS-2110	9/16	7W 19W	.564 .565	10	52	70	4	.159	Yellow

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Refer to General Recommendations for explanation of "Rated Holding Strength."
- (2) Rated Holding Strengths are 100% of the published ratings for the strand.
- (3) Consult PLP for availability and sizes not shown.

# Strand Splice: Bezinal<sup>®</sup>

**For use on:  
Bezinal Strand<sup>2</sup>**

Catalog Number	Strand			Per Carton		Length (Inches)	Number of Subsets	Rod Diameter (Inches)	Color Code
	Size (Inches)	Construction	Mean Diameter (Inches)	Units	Weight (Lbs)				
BLS-9102	3/16	7W	.186	100	30	27	2	.070	Red
BLS-9104	1/4	3W 7W	.240	50	34	35	2	.086	Yellow
BLS-9106	5/16	3W 7W	.312	50	46	42	3	.086	Black
BLS-9107	3/8	3W 7W	.360	25	38	50	3	.100	Orange
BLS-9108	7/16	7W	.435	25	57	56	3	.119	Green
BLS-9109	1/2	7W 19W	.495	10	34	63	3	.138	Blue

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Refer to General Recommendations for explanation of "Rated Holding Strength."
- (2) Rating holding strength is 100% of the published rating for the strand.
- (3) Consult PLP for sizes and stranding not shown.
- (4) Bezinal is a registered trademark of the Bekaert Corporation.



# Strand Splice

**For use on:  
Aluminum Clad Steel<sup>2</sup>**

Catalog Number	Strand		Units	Wt./Lbs.	Length (Inches)	No. of Subsets	Rod Diameter (Inches)	Color Code
	Construction	Mean Diameter (Inches)	Per Carton					
AWLS-4102	3#12	.174	50	12	19	2	.081	Orange
AWLS-4108	4M 3#10	.220 .220	50	22	24	2	.102	Green
AWLS-4110	3#9 6M 1/4"	.247 .242 .242	50	24	25	2	.102	Yellow
AWLS-4113	3#8 9/32" 8M	.277 .272 .272	50	30	28	3	.102	Blue
AWLS-4116	3#7 10M 5/16"-7#10	.311 .306 .306	50	34	30	3	.102	Black
AWLS-4119	3#6 12.5M 11/32"- 7#9	.349 .343 .343	50	46	33	3	.114	Yellow
AWLS-4120	14M	.363	25	32	36	3	.128	Blue
AWLS-4122	3#5 3/8"-7#8 16M	.392 .385 .386	25	34	38	3	.128	Orange
AWLS-4124	18M	.417	25	45	41	3	.144	Black
AWLS-4125	7/16"-7#7	.433	25	55	50	3	.144	Green
AWLS-4126	20M	.444	10	30	53	3	.162	Yellow

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Refer to General Recommendations for material selection.
- (2) Rated holding strengths are 100% of the published rating of the strand.
- (3) Consult PLP for availability and sizes not shown.

# Strand Splice: Copperweld®

For use on:  
Copperweld Strand<sup>2</sup>

Catalog Number	Strand		Units	Wt./Lbs.	Length (Inches)	No. of Subsets	Rod Diameter (Inches)	Color Code
	Size	Mean Diameter (Inches)	Per Carton					
CLS-8100	2.2M	.164	50	12	18	2	.081	Orange
CLS-8102	3#12	.174	50	14	19	2	.081	Red
CLS-8106	4M	.209	50	20	22	2	.091	White
CLS-3101	3#10	.220	50	28	24	2	.102	Green
CLS-3103	3#9 6M	.247 .237	50	28	25	2	.102	Yellow
CLS-3104	6M3	.258	50	32	26	3	.102	White
CLS-3106	8M 3#8	.276 .277	50	36	28	3	.102	Blue
CLS-3109	10M 7#10, 5/16" 3#7	.303 .306 .311	50	40	30	3	.102	Red
CLS-3112	7#9, 11/32" 12.5M 3#6	.343 .345 .349	50	58	33	3	.114	Green
CLS-3113	14M	.360	25	38	36	3	.128	Blue
CLS-3115	7#8, 3/8" 16M 3#5	.385 .386 .392	25	40	38	3	.128	White
CLS-3117	18M	.414	25	56	41	3	.144	Orange
CLS-3118	20M 7#7, 7/16"	.438 .433	10	28	50	3	.144	Yellow
CLS-3121	7#6, 1/2"	.486	10	38	55	3	.162	Blue
CLS-3123	25M	.525	10	52	61	3	.182	Green
CLS-3124	7#5, 9/16"	.546	10	54	63	3	.182	Yellow

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Refer to General Recommendations for material selection.
- (2) Rated holding strengths are 100% of the published rating of the strand.
- (3) Consult PLP for availability and sizes not shown.
- (4) Copperweld® is a registered trademark of the Copperweld Co.



# Strand Splice: Stainless Steel

**For use on:  
Type 302, 430 or 316 Stainless Steel Strand**

Catalog Number	Strand		Units	Wt./Lbs.	Rod Diameter (Inches)	Color Code
	Size (Inches)	Mean Diameter (Inches)	Per Carton			
<b>For Use On: Type 302 and 430 Strand</b>						
SLS-5101	7/32,-3W -7W	.224 .216	50	24	.071	Blue
SLS-5102	1/4,-3W -7W	.259 .249	50	36	.085	Yellow
SLS-5103	9/32,-7W	.279	50	40	.085	Black
SLS-5104	5/16,-7W	.312	50	34	.101	Orange
SLS-5105	3/8,-3W 7W	.356 .360	25	50	.120	Green
<b>For Use On: Type 430 Strand</b>						
SLS-5106	7/16,-7W	.435	10	38	.139	Red
SLS-5107	1/2,-7W	.495	10	58	.161	Blue
<b>For Use: Type 316 Strand</b>						
SLS-6101	7/32,-3W 7W	.224 .216	50	24	.071	Blue
SLS-6102	1/4,-3W -7W	.259 .249	50	36	.085	Yellow
SLS-6103	9/32,-7W	.279	50	40	.085	Black
SLS-6104	5/16,7W	.312	50	64	.101	Orange
SLS-6105	3/8,-3W -7W	.356 .360	25	50	.120	Green

Left-hand lay standard

**EXPLANATORY NOTES:**

- (1) Refer to General Recommendations for material selection.
- (2) Rated holding strengths are 100% of the published rating of the strand.
- (3) Consult PLP® for availability and sizes not shown.