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1. GENERAL

This standard prescribes standard types, sizes, and major uses for secondary conductors, fittings, and fastenings. Connectors, sleeves and other fittings which are used with primaries, as well as secondaries, are specified in Section 07 (Primary Conductors & Fastenings.)

2. CONDUCTORS

2.1 Sizes and Current Ratings

Triplex

Conductor	Messenger	Code Name	Current Rating (amps)	R.B.S. (pounds)	Phase Dia. (inches)	Msgr Dia. (inches)	Stock Number
1/0 AA XLP 300 V ⁽¹⁾	1/0 ACSR	Neritina	Summer 205 Winter 265	4380	0.477	0.398	18-05-095
4/0 AA XLP 300 V ⁽¹⁾	4/0 ACSR	Zuzara	Summer 315 Winter 410	8350	0.626	0.563	18-05-089

Open Wire

Phase Conductor	Neutral	Code Name	Current Rating (amps)	R.B.S. (pounds)	Phase Dia. (inches)	Msgr Dia. (inches)	Stock Number
4/0 AA XLP		Olive	Summer 385	3440	0.626		18-05-059
	1/0 AAAC bare	Azuza	Winter 425	4460		0.398	18-05-060
1/0 AAAC XLP		Oilnut	Summer 262	4010	0.518		18-05-067
	1/0 AAAC bare	Azuza	Winter 289	4460		0.398	18-05-060

Parallel Lashed

Phase Conductor	Messenger	Code Name	Current Rating (amps)	R.B.S. (pounds)	Phase Dia. (inches)	Msgr Dia. (inches)	Stock Number
4/0 AA XLP		San Juan	Summer 315		0.626		18-05-069
300V ⁽¹⁾	1/0 AAAC bare		Winter 410	4460		0.398	
3/0 AA XLP		Padre Island	Summer 275		0.57		18-05-187
300 V ⁽¹⁾	3/0 AAAC bare		Winter 360	6790		0.502	

Notes:

1. Line-to-Ground insulation

2.2 Major Use

Triplex cable shall be used for new construction.

Open wire or parallel lashed cables can be used if rebuilding or if conditions warrant (example: transfer of existing conductor or short extension of span or two to match existing construction; large number of flying services required). If multiplex cable is used, **the messenger will serve as the primary system neutral if the conductor is 1/0 or larger.** If the messenger of the multiplex cable is smaller than 1/0, a separate 1/0 AAAC neutral must be installed.

2.3 Sag

Open wire secondary conductors can be sagged using the tables shown in Dist. Std. 08 00 01 01. The table for bare 1/0 AAAC neutral is shown in Dist. Std. 07 00 07 **.

Triplex and quadruplex cables used as secondary should use the sag tables shown in Dist. Std. 08 00 01 02.

3.0 NEUTRAL CONNECTIONS ON POLES

- 3.1 7#10 Copperweld wire shall never be used as a neutral conductor or to connect neutral conductors at a pole.
- 3.2 The minimum size neutral conductor at a pole shall be #2 AWG copper wire or the smaller of the two neutral wires being connected at the pole.

4/0 AAC POLY

Short Span – SPAN (in feet)

AMB TEMP DEG F	INITIAL (Stringing) SAG (in Inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	20	25	29	34	40	46	52	59	66	74	81	183
30	23	27	32	38	44	51	58	65	73	81	90	166
40	23	28	33	39	45	52	59	67	75	84	93	161
50	24	29	34	40	47	54	61	69	77	86	95	157
60	24	30	35	41	48	55	63	71	79	88	98	153
70	25	30	36	42	49	56	64	72	81	90	100	149
80	26	31	37	43	50	58	66	74	83	93	103	146
90	26	32	38	44	51	59	67	76	85	95	105	143
100	27	32	39	45	53	60	69	78	87	97	107	140

Medium Span – SPAN (in feet)

AMB TEMP DEG F	INITIAL (Stringing) SAG (in Inches)											
	150	160	170	180	190	200 R.S.	210	220	230	240	250	Initial Tension
0	27	31	35	40	44	49	54	59	65	70	76	309
30	32	36	41	45	51	56	62	68	74	81	88	269
40	33	37	42	47	53	58	64	71	77	84	91	258
50	34	39	44	49	55	61	67	73	80	87	95	249
60	35	40	45	51	57	63	69	76	83	90	98	241
70	37	42	47	53	59	65	72	79	86	93	101	233
80	38	43	48	54	60	67	74	81	89	96	105	226
90	39	44	50	56	62	69	76	83	91	99	108	220
100	40	45	51	57	64	71	78	86	94	102	111	214

4/0 AAC POLY

Short Span – SPAN (in feet)

DE Tension = 944 LBS.

COND TEMP DEG F	FINAL SAG (in Inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	19	23	28	33	38	43	49	56	62	70	77
0	21	25	30	35	41	47	53	60	67	75	83
32 + 1/2" ice	24	29	34	40	47	54	61	69	77	86	95
30	23	28	33	39	45	51	58	66	74	82	91
50	24	29	35	41	47	54	62	70	78	87	97
60	25	30	36	42	49	56	63	72	80	89	99
70	25	31	37	43	50	57	65	73	82	92	102
90	27	32	38	45	52	60	68	77	86	96	106
120	28	34	41	48	55	63	72	82	91	102	113
194	32	39	46	54	63	72	82	92	104	116	128

Medium Span – SPAN (in feet)

DE Tension = 1306 LBS.

COND TEMP- DEG F	FINAL SAG (in Inches)										
	150	160	170	180	190	200 R.S.	210	220	230	240	250
-20	27	31	35	39	44	49	54	59	64	70	76
0	30	34	39	43	48	54	59	65	71	77	84
32 + 1/2" ice	38	43	49	55	61	68	74	82	89	97	106
30	34	39	44	49	55	60	67	73	80	87	95
50	36	41	47	52	58	65	71	78	86	93	101
60	38	43	48	54	60	67	74	81	88	96	104
70	39	44	50	56	62	69	76	83	91	99	107
90	41	46	52	59	66	73	80	88	96	105	113
120	44	50	56	63	70	78	86	94	103	112	122
194	51	58	65	73	81	90	99	109	119	130	141

1/0 AAAC POLY

Short Span – SPAN (in feet)

Amb Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	5	6	8	9	10	12	14	15	17	19	21	474
30	8	9	11	13	15	18	20	23	25	28	31	320
40	9	11	13	15	17	20	22	25	28	32	35	284
50	10	12	14	16	19	22	25	28	32	35	39	255
60	11	13	16	18	21	24	28	31	35	39	43	234
70	12	14	17	20	23	27	30	34	38	43	47	211
80	13	15	18	22	25	29	33	37	41	46	51	195
90	14	17	20	23	27	31	35	40	44	49	55	182
100	15	18	21	25	29	33	37	42	47	53	58	171

Medium Span

Amb Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	150	160	170	180	190	200 R.S.	210	220	230	240	250	Initial Tension
0	11	13	15	17	18	20	22	25	27	29	32	489
30	16	18	20	23	25	28	31	34	37	40	44	355
40	17	20	22	25	28	31	34	37	41	44	48	323
50	19	22	24	27	30	34	37	41	44	48	53	297
60	20	23	26	29	33	36	40	44	48	52	57	274
70	22	25	28	32	35	39	43	47	52	56	61	255
80	23	27	30	34	38	42	46	51	55	60	65	239
90	25	28	32	36	40	44	49	54	59	64	69	225
100	26	30	34	38	42	47	52	57	62	68	73	213

1/0 AAAC 7 STR POLY
Short Span – SPAN (in feet)

DE Tension = 1152 LBS.

Cond Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	5	6	7	8	10	11	13	14	16	18	20
0	7	8	10	12	14	16	18	20	23	25	28
32 + 1/2" ice	16	19	23	27	31	36	41	46	52	58	64
30	10	13	15	18	20	23	27	30	34	38	42
50	13	15	18	21	25	28	32	36	41	45	50
60	14	16	20	23	27	31	35	39	44	49	54
70	15	18	21	25	29	33	37	42	47	53	58
90	16	20	24	28	32	37	42	47	53	59	66
120	19	23	27	32	37	42	48	55	61	68	76
194	24	29	35	41	47	54	61	69	78	87	96

Medium Span

DE Tension = 1348 LBS.

Cond Temp. Deg. F	FINAL SAG (in inches)										
	150	160	170	180	190	200 R.S.	210	220	230	240	250
-20	12	13	15	17	19	21	23	25	27	30	32
0	15	17	19	22	24	27	29	32	35	38	42
32 + 1/2" ice	30	34	39	43	48	54	59	65	71	77	84
30	20	23	26	29	32	36	40	44	48	52	56
50	24	27	30	34	38	42	46	51	55	60	65
60	25	29	32	36	40	45	49	54	59	64	70
70	27	30	34	38	43	47	52	57	63	68	74
90	29	34	38	42	47	52	58	63	69	76	82
120	33	38	43	48	54	59	65	72	79	86	93
194	42	47	54	60	67	74	82	90	98	107	116

SECONDARY CONDUCTORS & FASTENINGS**08 00 01 02**

Multiplex Cable Secondary

Sag Tables

Sheet 1 of 6

#6 AAC Duplex w/#6 – 6/1 ACSR Neutral (Shepherd)

Short Span – Span (in feet)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	4	4	5	6	7	8	9	10	11	13	14	330
10	4	5	5	6	7	8	10	11	12	13	15	311
20	4	5	6	7	8	9	10	11	13	14	16	292
30	4	5	6	7	8	9	11	12	14	15	17	273
40	5	5	7	8	9	10	12	13	15	16	18	253
50	5	6	7	8	10	11	13	14	16	18	20	234
60	5	7	8	9	11	12	14	16	17	19	22	215
70	6	7	8	10	11	13	15	17	19	21	23	196
80	6	8	9	11	13	15	17	19	21	23	26	179
90	7	9	10	12	14	16	18	20	23	26	28	162
100	8	9	11	13	15	18	20	23	25	28	31	148

DE Tension = 714 lbs

Short Span – Span (in Feet)

Cond. Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	7	9	10	12	14	16	18	21	23	26	29
0	9	11	13	15	17	20	22	25	28	31	35
32 + 1/2" ice	21	26	31	36	42	48	55	62	69	77	86
20	10	12	14	16	19	22	25	28	31	35	39
30	10	12	14	17	20	23	26	29	32	36	40
40	10	13	15	17	20	23	26	30	34	37	41
50	11	13	15	18	21	24	27	31	35	39	43
60	11	13	16	19	22	25	28	32	36	40	44
70	11	14	16	19	22	26	29	33	37	41	45
80	12	14	17	20	23	26	30	34	38	42	47
90	12	15	17	20	24	27	31	35	39	44	48
100	12	15	18	21	24	28	32	36	40	45	49
120	13	16	19	22	26	30	34	38	43	47	52
194	16	19	23	27	31	36	40	46	51	57	63

SECONDARY CONDUCTORS & FASTENINGS**08 00 01 02**

Multiplex Cable Secondary

Sag Tables

Sheet 2 of 6

#2 AAC Triplex w/#4 – 6/1 ACSR Neutral (Cockle)

Short Span – Span (in feet)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	28	34	40	47	55	63	72	81	91	101	112	540
10	28	34	41	48	56	64	73	82	92	103	114	534
20	29	35	41	49	56	65	74	83	93	104	115	528
30	29	35	42	49	57	65	74	84	94	105	116	522
40	29	36	42	50	58	66	75	85	95	106	118	516
50	30	36	43	50	58	67	76	86	96	107	119	510
60	30	36	43	51	59	68	77	87	97	109	120	505
70	30	37	44	51	60	68	78	88	98	110	122	499
80	31	37	44	52	60	69	79	89	100	111	123	494
90	31	38	45	53	61	70	80	90	101	112	124	489
100	31	38	45	53	62	71	80	91	102	113	126	484

DE Tension = 968 lbs

Short Span – Span (in Feet)

Cond. Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	30	36	43	50	58	67	76	86	97	108	119
0	31	37	44	52	60	69	78	88	99	110	122
32 + 1/2" ice	34	41	49	58	67	77	88	99	111	124	137
20	31	38	45	53	61	70	80	90	101	113	125
30	32	38	46	53	62	71	81	91	102	114	127
40	32	39	46	54	63	72	82	92	104	115	128
50	32	39	47	55	63	73	83	93	105	117	129
60	33	40	47	55	64	74	84	94	106	118	131
70	33	40	48	56	65	74	85	95	107	119	132
80	33	40	48	56	65	75	85	96	108	121	134
90	34	41	49	57	66	76	86	97	109	122	135
100	34	41	49	58	67	77	87	98	110	123	136
120	35	42	50	59	68	78	89	100	112	125	139
194	37	45	53	63	73	84	95	107	120	134	148

SECONDARY CONDUCTORS & FASTENINGS**08 00 01 02**

Multiplex Cable Secondary

Sag Tables

Sheet 3 of 6

1/0 AAC Triplex w/1/0 – 6/1 ACSR Neutral (Neritina)

Short Span – Span (in feet)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	19	22	27	31	36	42	48	54	60	67	74	815
10	19	23	27	32	37	43	49	55	62	69	76	794
20	20	24	28	33	38	44	50	56	63	70	78	775
30	20	24	29	34	39	45	51	58	65	72	80	756
40	20	25	29	35	40	46	52	59	66	74	82	739
50	21	25	30	35	41	47	54	60	68	75	84	722
60	21	26	31	36	42	48	55	62	69	77	86	707
70	22	26	31	37	43	49	56	63	71	79	87	692
80	22	27	32	38	44	50	57	64	72	80	89	678
90	23	28	33	38	45	51	58	66	74	82	91	664
100	23	28	33	39	46	52	60	67	75	84	93	651

DE Tension = 1495 lbs

Short Span – Span (in Feet)

Cond. Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	19	23	27	32	37	42	48	55	61	68	76
0	20	24	29	34	39	45	51	58	65	72	80
32 + 1/2" ice	24	29	35	41	47	54	61	69	78	87	96
20	21	25	30	35	41	47	54	61	68	76	84
30	21	26	31	36	42	48	55	62	70	78	86
40	22	27	32	37	43	49	56	64	71	79	88
50	23	27	32	38	44	51	58	65	73	81	90
60	23	28	33	39	45	52	59	66	74	83	92
70	23	28	34	40	46	53	60	68	76	85	94
80	24	29	34	40	47	54	61	69	78	86	96
90	24	30	35	41	48	55	63	71	79	88	98
100	25	30	36	42	49	56	64	72	81	90	99
120	26	31	37	44	50	58	66	74	83	93	103
194	29	35	41	49	56	65	74	83	93	104	115

SECONDARY CONDUCTORS & FASTENINGS**08 00 01 02**

Multiplex Cable Secondary

Sag Tables

Sheet 4 of 6

4/0 AAC Triplex w/4/0 – 6/1 ACSR Neutral (Zuzara)

Short Span – Span (in feet)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	24	29	34	40	46	53	60	68	76	85	94	642
10	24	29	35	41	47	54	62	70	78	87	96	629
20	25	30	35	41	48	55	63	71	79	89	98	617
30	25	30	36	42	49	56	64	72	81	90	100	606
40	25	31	37	43	50	57	65	74	82	92	102	595
50	26	31	37	44	51	58	66	75	84	94	104	585
60	26	32	38	45	52	59	67	76	85	95	105	575
70	27	32	39	45	52	60	69	77	87	97	107	565
80	27	33	39	46	53	61	70	79	88	98	109	556
90	28	33	40	47	54	62	71	80	90	100	111	548
100	28	34	40	48	55	63	72	81	91	101	112	540

DE Tension = 1495 lbs

Short Span – Span (in Feet)

Cond. Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	23	28	33	39	46	52	60	67	75	84	93
0	24	29	35	41	48	55	62	70	79	88	97
32 + 1/2" ice	27	33	39	46	53	61	69	78	88	98	108
20	25	31	36	43	50	57	65	73	82	91	101
30	26	31	37	43	50	58	66	74	83	93	103
40	26	32	38	44	51	59	67	76	85	95	105
50	27	32	38	45	52	60	68	77	86	96	107
60	27	33	39	46	53	61	69	78	88	98	108
70	28	33	40	47	54	62	71	80	89	100	110
80	28	34	40	47	55	63	72	81	91	101	112
90	28	34	41	48	56	64	73	82	92	103	114
100	29	35	42	49	57	65	74	83	93	104	115
120	30	36	43	50	58	67	76	86	96	107	119
194	31	38	45	53	62	71	81	91	102	114	126

SECONDARY CONDUCTORS & FASTENINGS**08 00 01 02**

Multiplex Cable Secondary

Sag Tables

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1/0 AAC Quadruplex w/1/0 AAC Neutral (Criollo)

Short Span – Span (in feet)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	25	30	35	42	48	55	63	71	80	89	99	615
10	25	30	36	42	49	57	64	73	81	91	100	602
20	26	31	37	43	50	58	66	74	83	93	103	590
30	26	32	38	44	51	59	67	76	85	94	105	579
40	27	32	38	45	52	60	68	77	86	96	107	569
50	27	33	39	46	53	61	69	78	88	98	109	558
60	28	33	40	47	54	62	71	80	90	100	111	549
70	28	34	40	48	55	63	72	81	91	101	112	539
80	29	35	41	48	56	64	73	83	93	103	114	530
90	29	35	42	49	57	65	74	84	94	105	116	522
100	30	36	43	50	58	66	76	85	96	107	118	514

DE Tension = 1194 lbs

Short Span – Span (in Feet)

Cond. Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	27	32	38	45	52	60	68	77	87	96	107
0	28	34	40	47	54	62	71	80	90	100	111
32 + 1/2" ice	32	38	45	53	62	71	81	91	102	114	126
20	29	35	41	48	56	65	73	83	93	104	115
30	29	35	42	49	57	66	75	84	95	105	117
40	30	36	43	50	58	67	76	86	96	107	119
50	30	36	43	51	59	68	77	87	98	109	121
60	31	37	44	52	60	69	78	88	99	111	122
70	31	38	45	53	61	70	80	90	101	112	124
80	32	38	45	53	62	71	81	91	102	114	126
90	32	39	46	54	63	72	82	92	104	116	128
100	32	39	47	55	64	73	83	94	105	117	130
120	33	40	48	56	65	75	85	96	108	120	133
194	36	44	52	62	71	82	93	105	118	132	146

SECONDARY CONDUCTORS & FASTENINGS**08 00 01 02**

Multiplex Cable Secondary

Sag Tables

Sheet 6 of 6

4/0 AAC Quadruplex w/4/0 AAC Neutral (Oldenberg)

Short Span – Span (in feet)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in inches)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension
0	23	28	33	39	45	51	58	66	74	82	91	641
10	23	28	34	40	46	53	60	68	76	85	94	625
20	24	29	35	41	47	54	61	69	78	87	96	610
30	25	30	35	42	48	55	63	71	80	89	98	596
40	25	30	36	42	49	57	64	73	81	91	100	582
50	26	31	37	43	50	58	66	74	83	93	103	570
60	26	32	38	44	51	59	67	76	85	95	105	558
70	27	32	39	45	52	60	69	77	87	97	107	547
80	27	33	39	46	54	61	70	79	88	99	109	537
90	28	34	40	47	55	63	71	80	90	101	111	527
100	28	34	41	48	56	64	73	82	92	102	113	532

DE Tension = 1495 lbs

Short Span – Span (in Feet)

Cond. Temp. Deg. F	FINAL SAG (in inches)										
	100	110	120	130	140	150 R.S.	160	170	180	190	200
-20	24	29	35	41	47	54	62	70	78	87	96
0	25	31	36	43	50	57	65	73	82	91	101
32 + 1/2" ice	29	35	41	49	56	65	74	83	93	104	115
20	26	32	38	45	52	59	68	76	86	95	106
30	27	33	39	46	53	61	69	78	87	97	108
40	27	33	40	46	54	62	70	79	89	99	110
50	28	34	40	47	55	63	72	81	91	101	112
60	28	34	41	48	56	64	73	82	92	103	114
70	29	35	42	49	57	65	74	84	94	105	116
80	29	36	42	50	58	66	76	85	96	106	118
90	30	36	43	51	59	68	77	87	97	108	120
100	31	37	44	52	60	69	78	88	99	110	122
120	31	38	45	53	62	71	81	91	102	114	126
194	35	42	50	59	68	78	89	101	113	126	139

SECONDARY CONDUCTORS & FASTENINGS

Ties – Wire, Preformed

08 01 01 **

Sheet 1 of 1

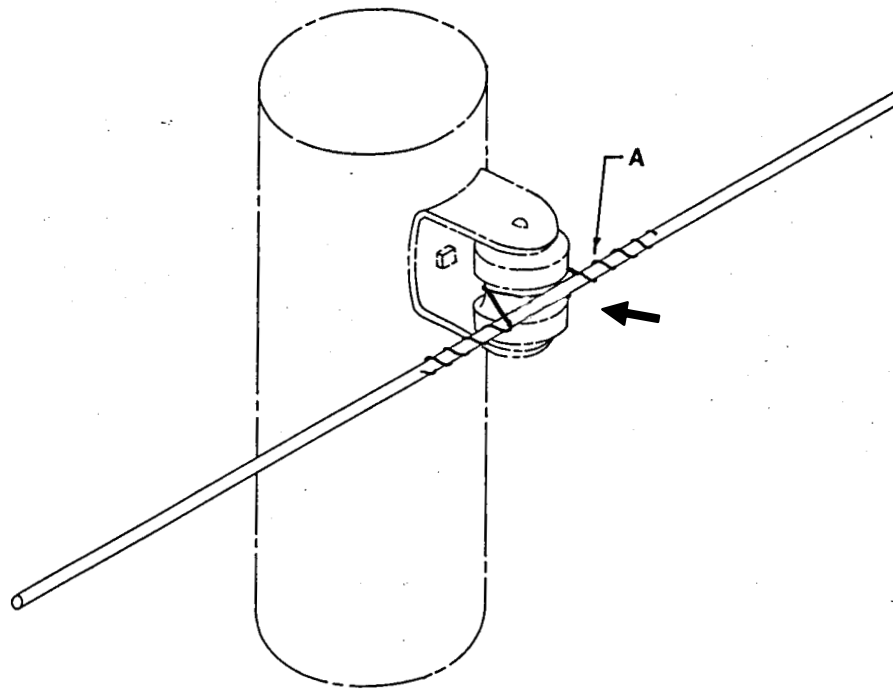
1/0 AAAC NEUTRAL – 08 01 01 01

1/0 ACSR XLP – 08 01 01 05

4 ACSR NEUTRAL – 08 01 01 02

4/0 ACSR BARE – 08 01 01 03

4/0 XLP – 08 01 01 04

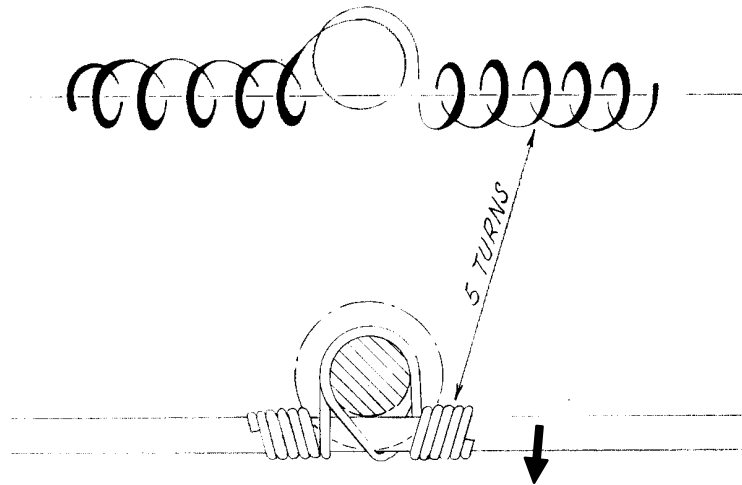


	Description	08 01 01	Stk. No. DOJM Code	01	02	03	04	05
A	Tie, Preformed, 1/0 AAAC		23 68 358 SPT10A	1				
A	Tie, Preformed, 1/0 ACSR XLP		23 68 485 SPT10P					1
A	Tie, Preformed, # 4 ACSR Bare		23 68 389 SPT4A		1			
A	Tie, Preformed, 4/0 ACSR Bare		23 68 388 SPT40A			1		
A	Tie, Preformed, 4/0 XLP		23 68 401 SPT40P				1	

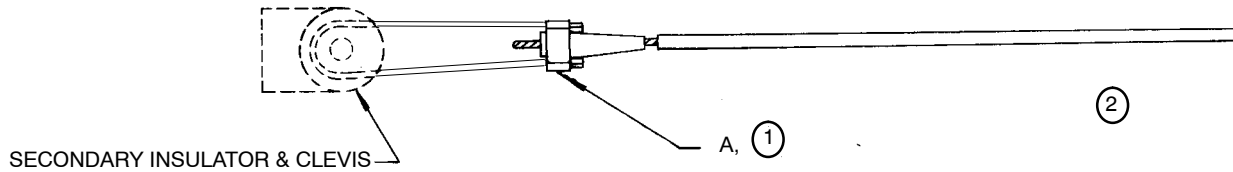
**DISTRIBUTION
CONSTRUCTION STANDARDS**



ENG: DCG
REV. NO: 3
REV. DATE: 03/04/05
REAFFIRMED DATE: 09/21/11



Type of Conductor	Tie Wire	Stock No. DOJM Code	Units	Qty.
#6 – #2 Cu., Poly	#4 Cu., Poly	18 01 017 HTP1	Ft.	5
#6 – #2 Cu., Poly	#4 Al., Poly, 42" UE Only	18 55 040 HTP2	Ea.	1
1/0 – 500 Cu., Poly	#6 Cu., Poly	18 51 021 HTP3	Ft.	5
#4 Cu., Bare	#6 Cu., Bare, 42" UE Only	18 52 009 HTC	Ea.	1
4/0 AA Poly	#6 Cu., Poly	18 51 021 HTP3	Ft.	5
1/0 AAAC Bare	#4 Al., Bare	18 55 028 HTA	Ft.	3

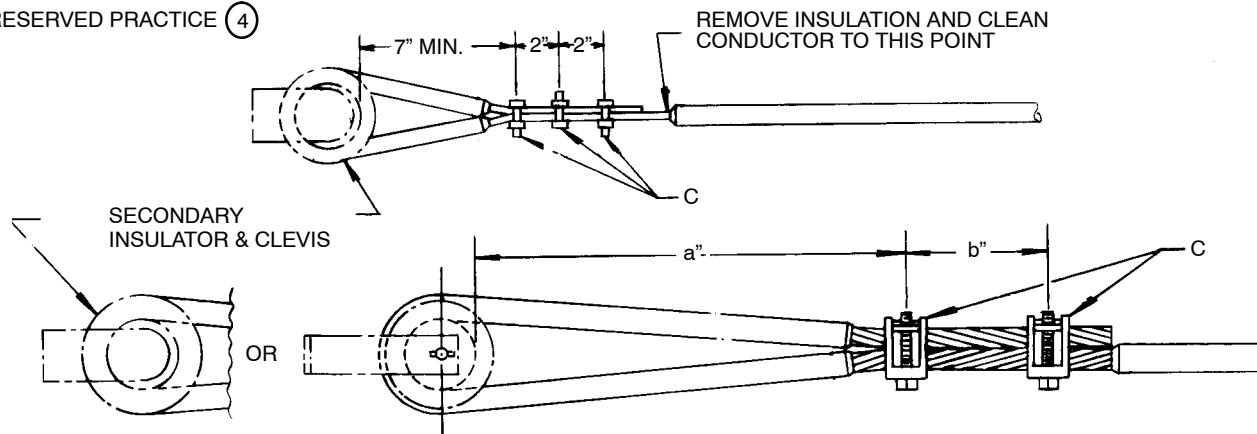


		Conductor	Description (Preferred)	Stock No. DOJM Code
A	A	#6 Sol. Cu.	Deadend, Automatic, Secondary Spool, #6 Cu.	23 78 357 SDEA6C
		#4 Sol. Cu.	Deadend, Automatic, Secondary Spool, #4 Cu.	23 78 353 SDEA4C
		#2 Sol. Cu.	Deadend, Automatic, Secondary Spool, #2 Cu.	23 78 355 SDEA2C
		#2 Str. Cu.	Deadend, Automatic, Secondary Spool, #2 Str. Cu.	23 78 388 SDEA2StrC
		#4 ACSR	Deadend, Automatic, Secondary Spool, #4 ACSR	23 78 358 SDEA4A
		#2 ACSR	Deadend, Automatic, Secondary Spool, #2 ACSR	23 78 359 SDEA2A
	A	1/0 AAAC	Deadend, Automatic, Secondary Spool, 1/0 AAAC (bare)	23 78 333 SDEA10A
		1/0 AAAC	Deadend, Automatic, Secondary Spool, 1/0 AAAC (poly covered)	23 68 532 SDEA10AP
		1/0 Str. Cu.	Deadend, Automatic, Secondary Spool, 1/0 Str. Cu.	23 78 389 SDEA10StrC
		3/0 AAAC	Deadend, Automatic, Secondary Spool, 3/0 AAAC (PPAC Neutral)	23 68 533 SDEA30A
		4/0 Str. Cu.	Deadend, Automatic, Secondary Spool, 4/0 Str. Cu.	23 68 534 SDEA40StrC
		4/0 AA, AAAC, ACSR	Deadend, Automatic, Secondary Spool, 4/0 AA, AAAC, ACSR	23 78 334 SDEA40A

NOTES:

1. The wire shall be fed completely through the automatic deadend chuck and the jaws of the deadend shall be set by applying a sharp heavy pull on the line conductor. See Work Practice IV-B-1-1 for method of installing automatic deadend.
2. Conductor may be the messenger of triplex or a single wire, such as part of an open wire secondary.

RESERVED PRACTICE ④



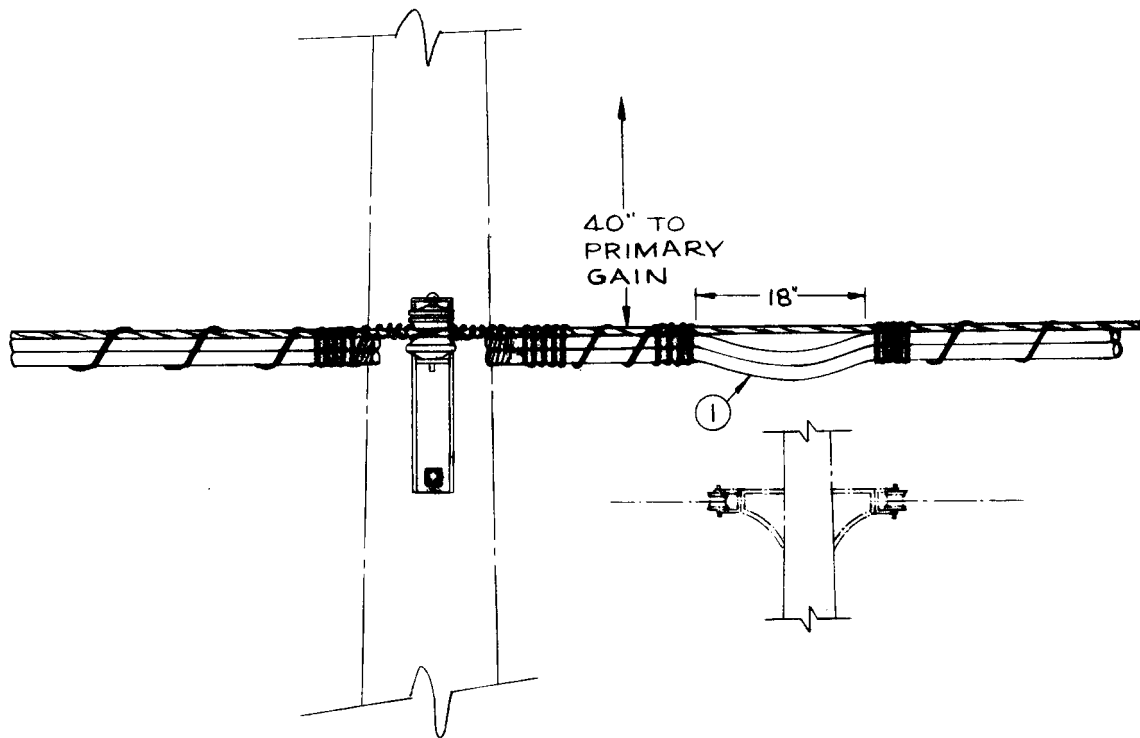
	Conductor	Description	Stock No. DOJM Code	Qty. Used	"a" dim.	"b" dim.
C	#6 Sol. Cu.	Connector, Split bolt, 2 – #6 Cu.	17 54 003 SB6	3	7"	4"
	#4 Sol. Cu.	Connector, Split bolt, 2 – #4 Cu.	17 54 004 SB4	3	7"	4"
	#2 Sol. Cu.	Connector, Split bolt, 2 – #2 Cu.	17 54 005 SB2	3	7"	4"
	1/0 Cu.	Connector, Two Bolt, 2 – 1/0 Cu.	17 54 145 TB10	2	7"	4"
	2/0 Cu.	Connector, Two Bolt, 2 – 2/0 Cu.	17 54 139 TB20	2	7"	4"
	4/0 Cu.	Connector, Two Bolt, 2 – 4/0 Cu.	17 54 140 TB40	2	7"	4"
	500 Cu.	Connector, Two Bolt, 2 – 500 Cu.	17 54 141 TB500	2	18"	6"
	1000 Cu.	Connector, Two Bolt, 2 – 1000 Cu.	17 54 142 TB1000	2	18"	6"

- This method shall be used when automatic type deadends are not available. Both aluminum and copper deadends are normally stocked.

SECONDARY CONDUCTORS & FASTENINGS
Preassembled Cable Secondary
Secondary Split

08 01 20 00

Sheet 1 of 1

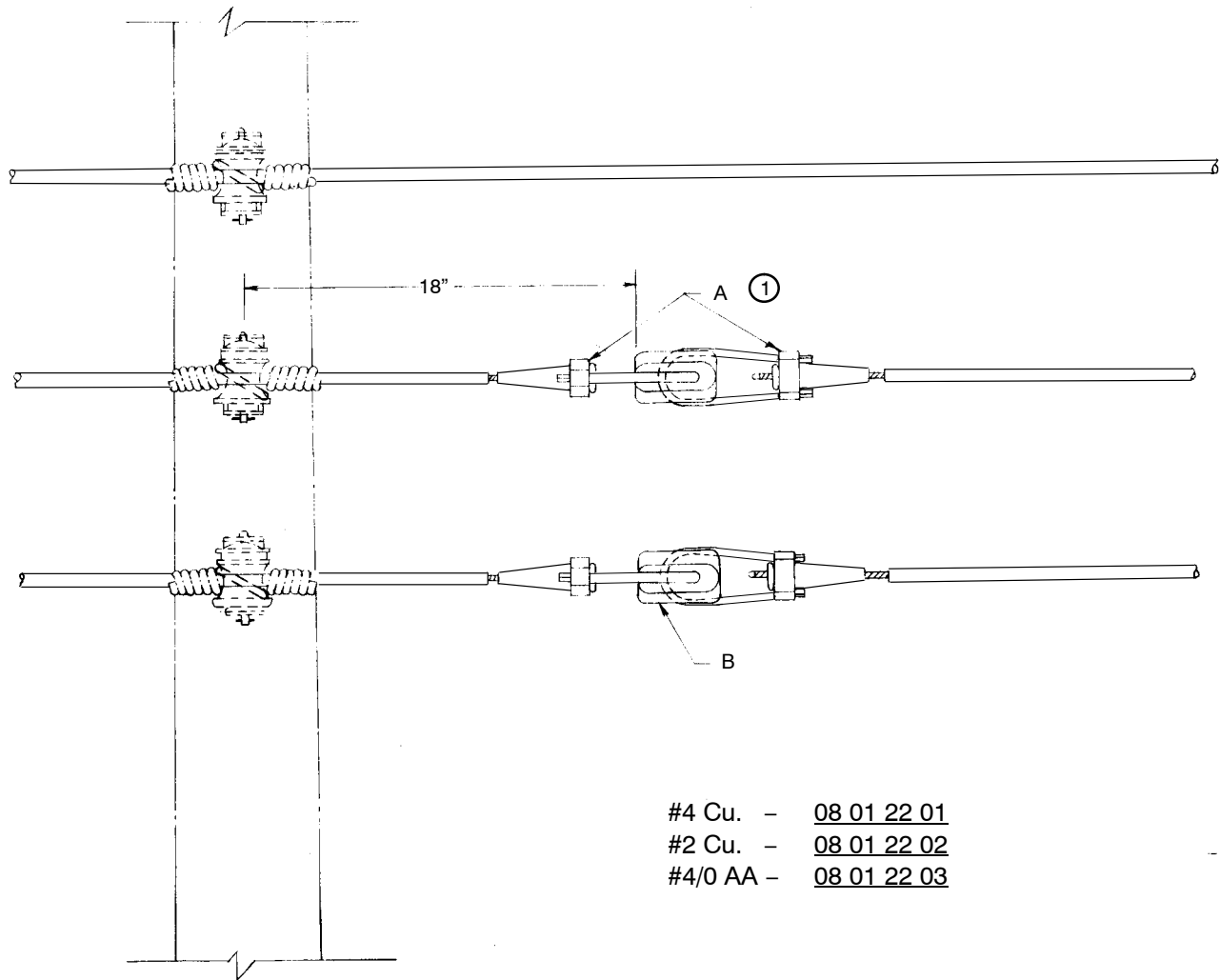


	Dist. Std. or Stock No.	Description	
A	101	Install Sec. Split	1

1. Construction crew to open cable for distance of approximately 18" to allow room for making taps. Open cable only on side of pole where services are to be installed. Tape ends of conductors with rubber tape 25 53 080 followed by friction tape 25 53 003 and lash cable to messenger on both sides of opening with 5 close turns around entire cable and end on messenger with 2 turns and a half hitch.
2. For service construction details, see Dist. Std. 09.

ALTERNATE

SEE 080123** FOR PREFERRED CONSTRUCTION



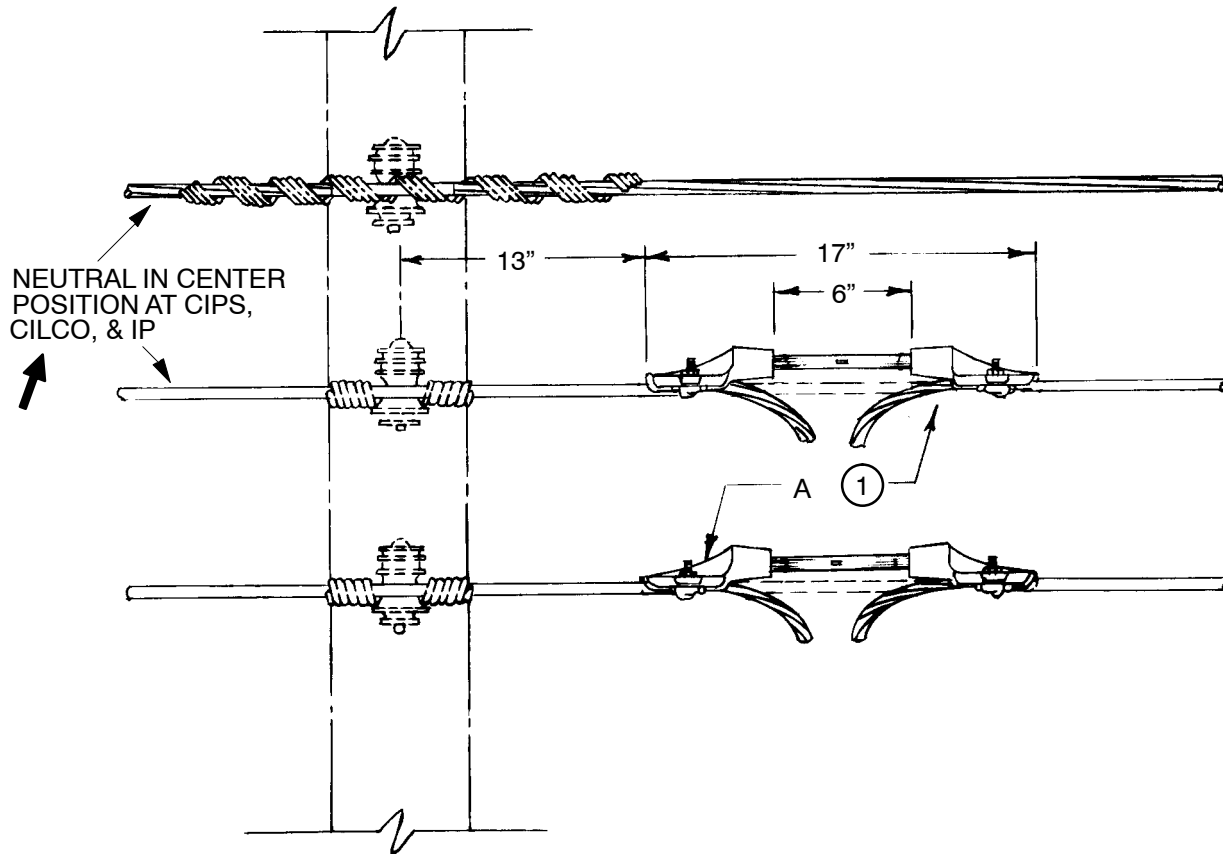
#4 Cu. – 08 01 22 01
 #2 Cu. – 08 01 22 02
 #4/0 AA – 08 01 22 03

	Dist. Std. or Stock No.	Description	08 01 22 **	01	02	03
A	23 78 353	Deadend, Auto, 4 Cu.		4		
	23 78 355	Deadend, Auto, 2 Cu.			4	
	23 78 334	Deadend, Auto, 4/0 AA				4
B	25 56 047	Insulator, Guy		2	2	2
	101	Install Secondary Split		2	2	2

NOTES:

- The wire shall be fed completely through the automatic deadend chuck and the jaws of the deadend shall be set by applying a sharp heavy pull on the line conductor. See Work Practice IV-B-1-1 for method of installing automatic deadend.

PREFERRED



	Dist. Std. or Stock No.	Description	08 01 23 **	01
A	25 56 056	Insulator, Sec. Split, #4 Cu – 4/0 AA		2
	101	Install Secondary Split		2

NOTES:

1. To Install: Skin the wire, clamp the split to the wire, cut the conductor and fold legs back.

To Remove: Unfold legs, connect two legs with appropriate compression sleeve, remove split.

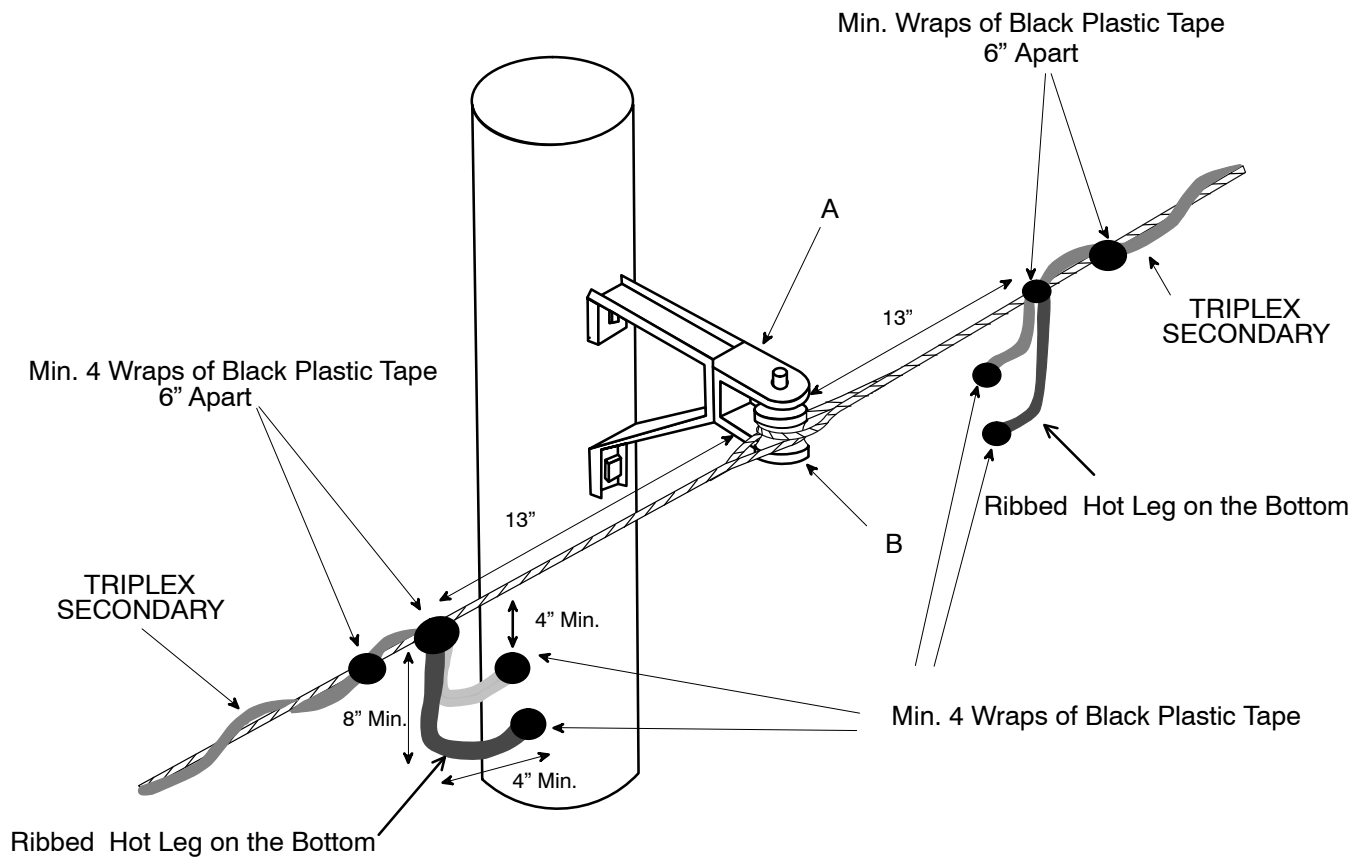
SECONDARY CONNECTIONS & FASTENINGS

TRIPLEX ALUMINUM CABLE

Secondary Split

08 01 24 **

Sheet 1 of 1



01 Straight Through
02 Dead-end

		Dist. Std. /Stk No.	Description	01	02
	A	06 01 01 03	Single Clevis Extension	1	1
@	B	08 01 03 00	Tie Wire	1	
	C	25 53 055	Tape, Vinyl Plastic, Black, 3/4" x 66' (RL)	1	1
@	D	SDEA*W	Dead-end (See 08 01 10 00)		2
@	E	PG*	Clamp, Parallel Groove (See Std. 07 00 25 00)		1
		101	Install Secondary Split	1	1

NOTES:

1. Wrap the ends of the wires with vinyl plastic tape (Stock # 25-53-055).
2. Wrap the secondary legs to the messenger wire with plastic tape (Stock # 25-53-055).
3. Stagger the ends of the wires by a minimum distance of 4 inches apart so that they cannot contact each other.
4. For triplex dead-end split use the 02 standard applying an automatic dead-end clamp to the messenger wire on each side of the spool insulator.
5. When closing the split, use the same size conductor with PG connectors. Do not use a jiffy jumper.