

SECONDARIES

08



SECONDARY CONDUCTORS & FASTENINGS

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This standard covers stock numbers, ampacities, and mechanical properties for secondary conductors and their use.

CONSTRUCTION NOTE(s):

1. Line-to-Ground insulation.
2. Triplex cable shall be used for new construction.
3. Open wire or parallel lashed cables can be used if rebuilding or if conditions warrant (example: transfer or 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 multiplex cable is smaller than 1/0, a separate 1/0 AAAC neutral must be installed.
4. 1/0 AAAC may be looped around the pole to continue the neutral. If a jumper is required, the minimum size neutral conductor at the pole shall be #2 AWG Cu wire or the smaller of the two neutral wires being connected at the pole. 7#10 Copperweld shall not be used as a neutral conductor or to connect neutral conductors at a pole.

Table 1 - Triplex (Standard Conductor) 1

Phase Conductor	Messenger	Code Name	Stock Number	Current Rating (amps)	Weight (lb/ft)	R.B.S. (lbs)	Phase Dia. (inches)	Msgr Dia. (inches)
1/0 AAC XLP 300 V	1/0 ACSR	Neritina	18 05 095	Summer 205 Winter 265	0.420	4380	0.477	0.398
4/0 AAC XLP 300 V	4/0 ACSR	Zuzara	18 05 089	Summer 315 Winter 410	0.789	8350	0.626	0.563

Table 2 - Open Wire

Phase Conductor	Neutral	Code Name	Stock Number	Current Rating (amps)	Weight (lb/ft)	R.B.S. (lbs)	Phase Dia. (inches)	Msgr Dia. (inches)
4/0 AAC XLP	-	Olive	18 05 059	Summer 385 Winter 425	0.253	3440	0.626	-
-	1/0 AAAC bare	Azusa	18 05 060		0.116	4460	-	0.398
1/0 AAAC XLP	-	Oilnut	18 05 067	Summer 262 Winter 289	0.159	4010	0.518	-
-	1/0 AAAC bare	Azusa	18 05 060		0.116	4460	-	0.398

Table 3 - Parallel Lashed

Phase Conductor	Messenger	Code Name	Stock Number	Current Rating (amps)	Weight (lb/ft)	R.B.S. (lbs)	Phase Dia. (inches)	Msgr Dia. (inches)
4/0 AAC XLP 300V	1/0 AAAC bare	San Juan	18 05 069	Summer 315 Winter 410	0.624	4280	0.618	-
							-	0.398
3/0 AAC XLP 300V	3/0 AAAC bare	Padre Island	18 05 187	Summer 275 Winter 360	0.601	6790	0.571	-
							-	0.502



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Open Wire
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Table 1 - 4/0 AAC, Poly Covered - Short Span (ft)

Amb Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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

Table 2 - 4/0 AAC, Poly Covered - Medium Span (ft)

Amb Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	150	160	170	180	190	200 R.S.	210	220	230	240	250	Initial Tension (lbs)
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

Table 3 - 4/0 AAC, Poly Covered - Short Span (ft)

DE Tension = 944 lbs											
Cond Temp. Deg. F	FINAL SAG (in)										
	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

Table 4 - 4/0 AAC, Poly Covered - Medium Span (ft)

DE Tension = 1306 lbs											
Cond Temp. Deg. F	FINAL SAG (in)										
	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



SECONDARY CONDUCTORS AND FASTENINGS

Open Wire
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Table 5 - 1/0 AAAC, Poly Covered - Short Span (ft)

Amb Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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

Table 6 - 1/0 AAAC, Poly Covered - Medium Span (ft)

Amb Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	150	160	170	180	190	200 R.S.	210	220	230	240	250	Initial Tension (lbs)
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



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Table 7 - 1/0 AAAC, Poly Covered - Short Span (ft)

DE Tension = 1152 lbs											
Cond Temp. Deg. F	FINAL SAG (in)										
	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

Table 8 - 1/0 AAAC, Poly Covered - Medium Span (ft)

DE Tension = 1348 lbs											
Cond Temp. Deg. F	FINAL SAG (in)										
	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	A	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

Multiplex Cable
Sag Tables

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Table 1 - #6 AAC Duplex w/ #6 ACSR (6/1) Neutral 'Shepherd' - Short Span (ft)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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
FINAL SAG (in)												
Cond. Temp. Deg. F	DE Tension = 714 lbs											
	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	

DISTRIBUTION CONSTRUCTION STANDARDS

REV	DATE	ENG	DESCRIPTION
006	01/01/22	NH	Converted to new format
005	08/12/15	EJB	



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Multiplex Cable
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Table 2 - #2 AAC Triplex w/ #4 ACSR (6/1) Neutral 'Cockle' - Short Span (ft)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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
FINAL SAG (in)												
Cond. Temp. Deg. F	DE Tension = 968 lbs											
	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	

DISTRIBUTION CONSTRUCTION STANDARDS

REV	DATE	ENG	DESCRIPTION
006	01/01/22	NH	Converted to new format
005	08/12/15	EJB	



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Multiplex Cable
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Table 3 - 1/0 AAC Triplex w/ 1/0 ACSR (6/1) Neutral 'Neritina' - Short Span (ft)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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

FINAL SAG (in)

Cond. Temp. Deg. F	DE Tension = 1495 lbs											
	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	

**DISTRIBUTION
CONSTRUCTION STANDARDS**

REV	DATE	ENG	DESCRIPTION
006	01/01/22	NH	Converted to new format
005	08/12/15	EJB	



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Multiplex Cable
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Table 4 - 4/0 AAC Triplex w/ 4/0 ACSR (6/1) Neutral 'Zuzara' - Short Span (ft)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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
FINAL SAG (in)												
Cond. Temp. Deg. F	DE Tension = 1495 lbs											
	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	

**DISTRIBUTION
CONSTRUCTION STANDARDS**

REV	DATE	ENG	DESCRIPTION
006	01/01/22	NH	Converted to new format
005	08/12/15	EJB	



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Multiplex Cable
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Table 5 - 1/0 AAC Quadruplex w/ 1/0 AAC Neutral 'Criollo' - Short Span (ft)

Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
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
FINAL SAG (in)												
Cond. Temp. Deg. F	DE Tension = 1194 lbs											
	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	

**DISTRIBUTION
CONSTRUCTION STANDARDS**

REV	DATE	ENG	DESCRIPTION
006	01/01/22	NH	Converted to new format
005	08/12/15	EJB	



SECONDARY CONDUCTORS & FASTENINGS

Multiplex Cable
Sag Tables

08 00 01 02

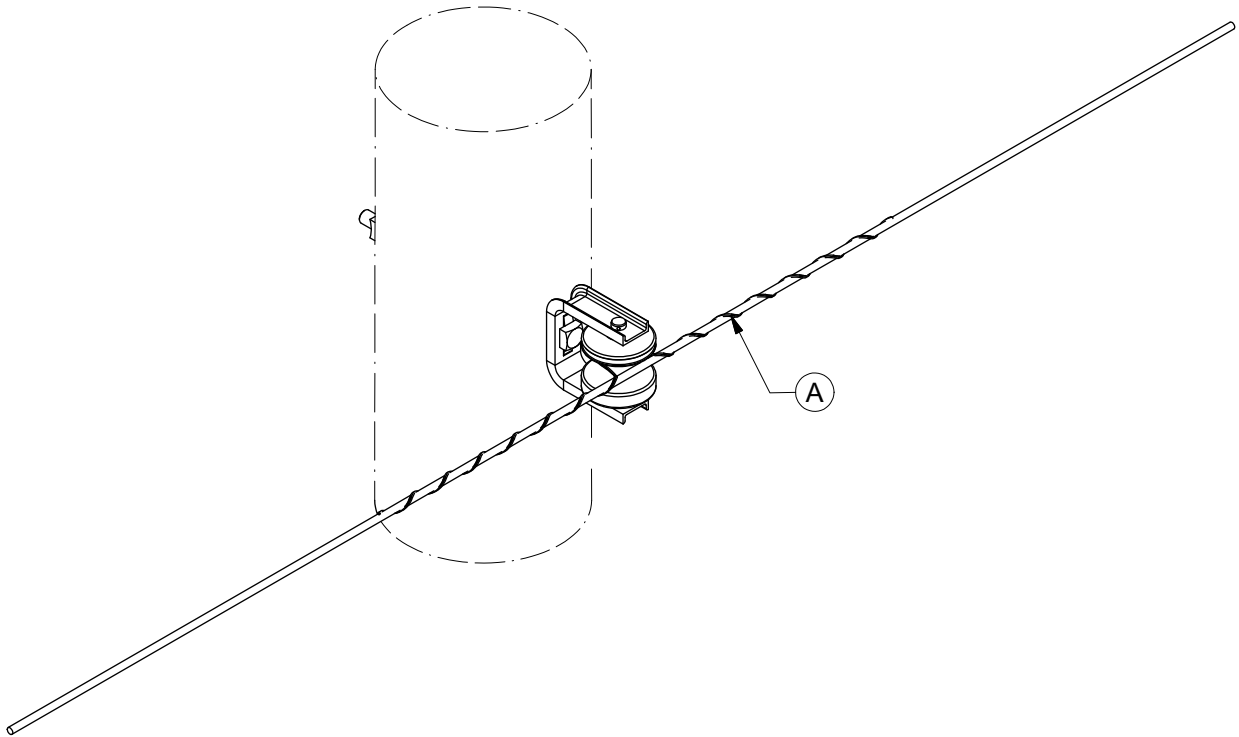
6 of 6

Table 6 - 4/0 AAC Quadruplex w/ 4/0 AAC Neutral 'Oldenburg' - Short Span (ft)

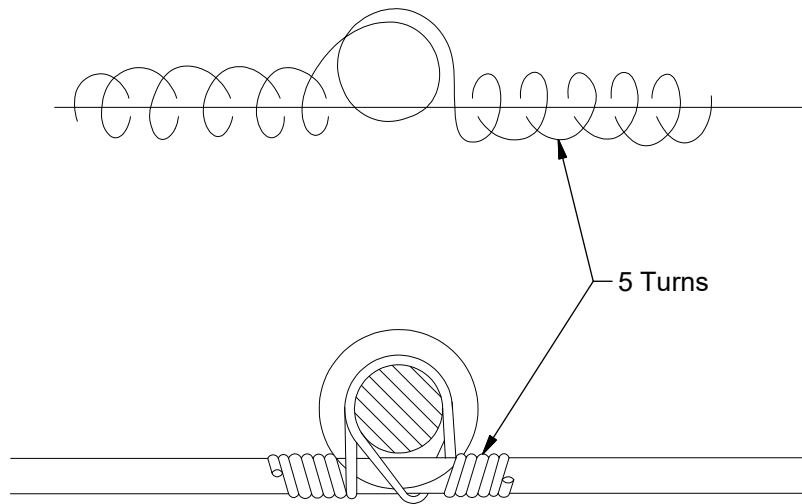
Cond. Temp. Deg. F	INITIAL (Stringing) SAG (in)											
	100	110	120	130	140	150 R.S.	160	170	180	190	200	Initial Tension (lbs)
0	23	28	33	39	45	51	58	66	74	82	91	
10	23	28	34	40	46	53	60	68	76	85	94	625
20	24	29	35	41	47	54	61	69	78	87	96	610
30	25	30	35	42	48	55	63	71	80	89	98	596
40	25	30	36	42	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
Cond. Temp. Deg. F	FINAL SAG (in)											
	DE Tension = 1495 lbs											
	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	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	

**DISTRIBUTION
CONSTRUCTION STANDARDS**

REV	DATE	ENG	DESCRIPTION
006	01/01/22	NH	Converted to new format
005	08/12/15	EJB	

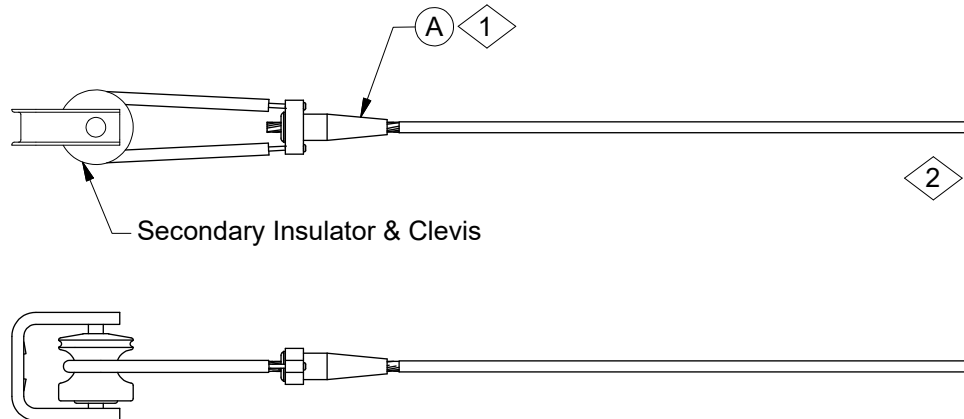


ITEM	STK / DCS #	DESCRIPTION	08 01 01 **	01	02	03	04	05	DOJM Code
A	23 68 358	Tie - Preformed 1/0 AAAC or ACSR Bare, Neutral		1	-	-	-	-	SPT10A
	23 68 389	Tie - Preformed #4 ACSR Bare, Neutral		-	1	-	-	-	SPT4A
	23 68 388	Tie - Preformed 4/0 ACSR Bare		-	-	1	-	-	SPT40A
	23 68 401	Tie - Preformed 4/0 XLP		-	-	-	1	-	SPT40P
	23 68 485	Tie - Preformed 1/0 ACSR XLP		-	-	-	-	1	SPT10P



Type of Conductor	Tie Wire	Stock #	DOJM	Units	Qty
#6 – #2 Cu, Poly	#4 Cu, Poly	18 01 017	HTP1	Ft	5
#6 – #2 Cu, Poly	#4 Al, Poly, 42"	18 55 040	HTP2	Ea	1
1/0 – 500 Cu, Poly	#6 Cu, Poly	18 51 021	HTP3	Ft	5
4/0 AAC, Poly					
#4 Cu, Bare	#6 Cu, Bare, 42"	18 52 009	HTC	Ea	1
1/0 AAAC, Bare	#4 Al, Bare	18 55 028	HTA	Ft	3

PREFERRED



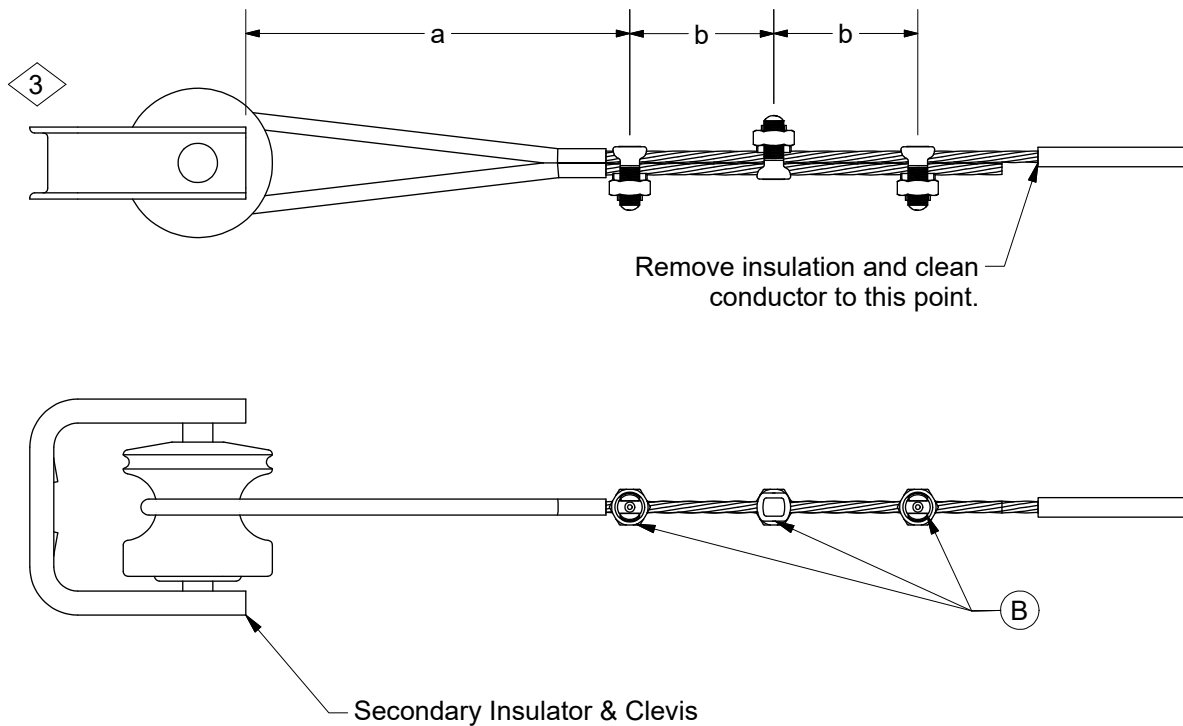
CONSTRUCTION NOTE(s):

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.
2. Conductor may be the messenger of triplex or a single wire, such as part of an open wire secondary.

Table 1 - Automatic Deadends

	Conductor	Description	Stock #	DOJM
A	#6 Cu SOL	Deadend, Automatic, Secondary Spool, #6 Cu	23 78 357	SDEA6C
	#4 Cu SOL	Deadend, Automatic, Secondary Spool, #4 Cu	23 78 353	SDEA4C
	#2 Cu SOL	Deadend, Automatic, Secondary Spool, #2 Cu	23 78 355	SDEA2C
	#2 Cu Str	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
	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 Cu Str	Deadend, Automatic, Secondary Spool, 1/0 Str. Cu	23 78 389	SDEA10StrC
	3/0 AAAC	Deadend, Automatic, Secondary Spool, 3/0 AAAC (PLAC Neutral)	23 68 533	SDEA30A
	4/0 Cu Str	Deadend, Automatic, Secondary Spool, 4/0 Str. Cu	23 68 534	SDEA40StrC
	4/0 AAC, AAAC, ACSR	Deadend, Automatic, Secondary Spool, 4/0 AAC, AAAC, ACSR	23 78 334	SDEA40A

ALTERNATE

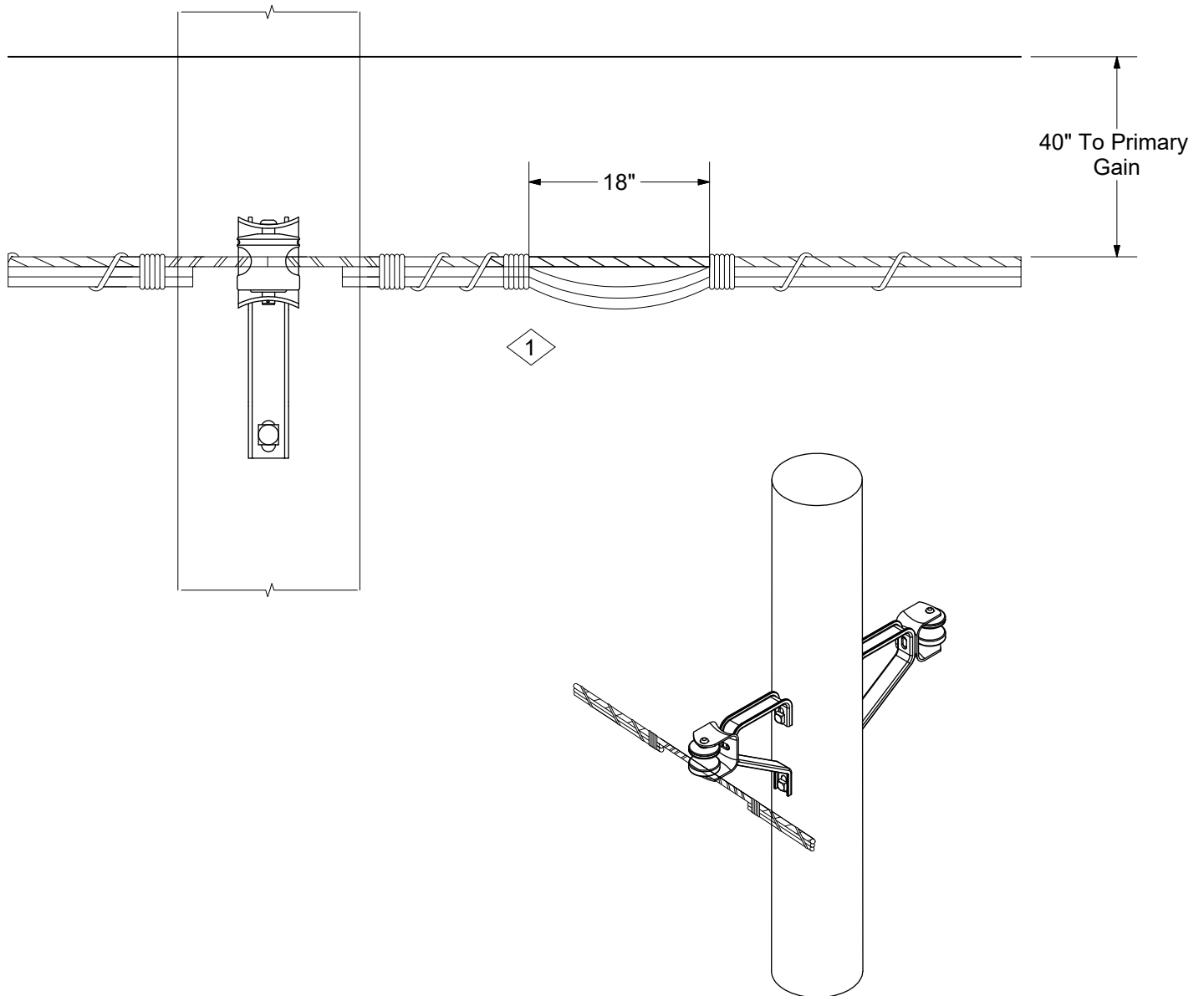


CONSTRUCTION NOTE(s):

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

Table 2 - Connectors

	Conductor	Description	Stock #	DOJM	Qty. Used	"a" dim.	"b" dim.
B	#6 Cu SOL	Connector, Split bolt, 2 – #6 Cu	17 54 003	SB6	3	7"	4"
	#4 Cu SOL	Connector, Split bolt, 2 – #4 Cu	17 54 004	SB4	3	7"	4"
	#2 Cu SOL	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"

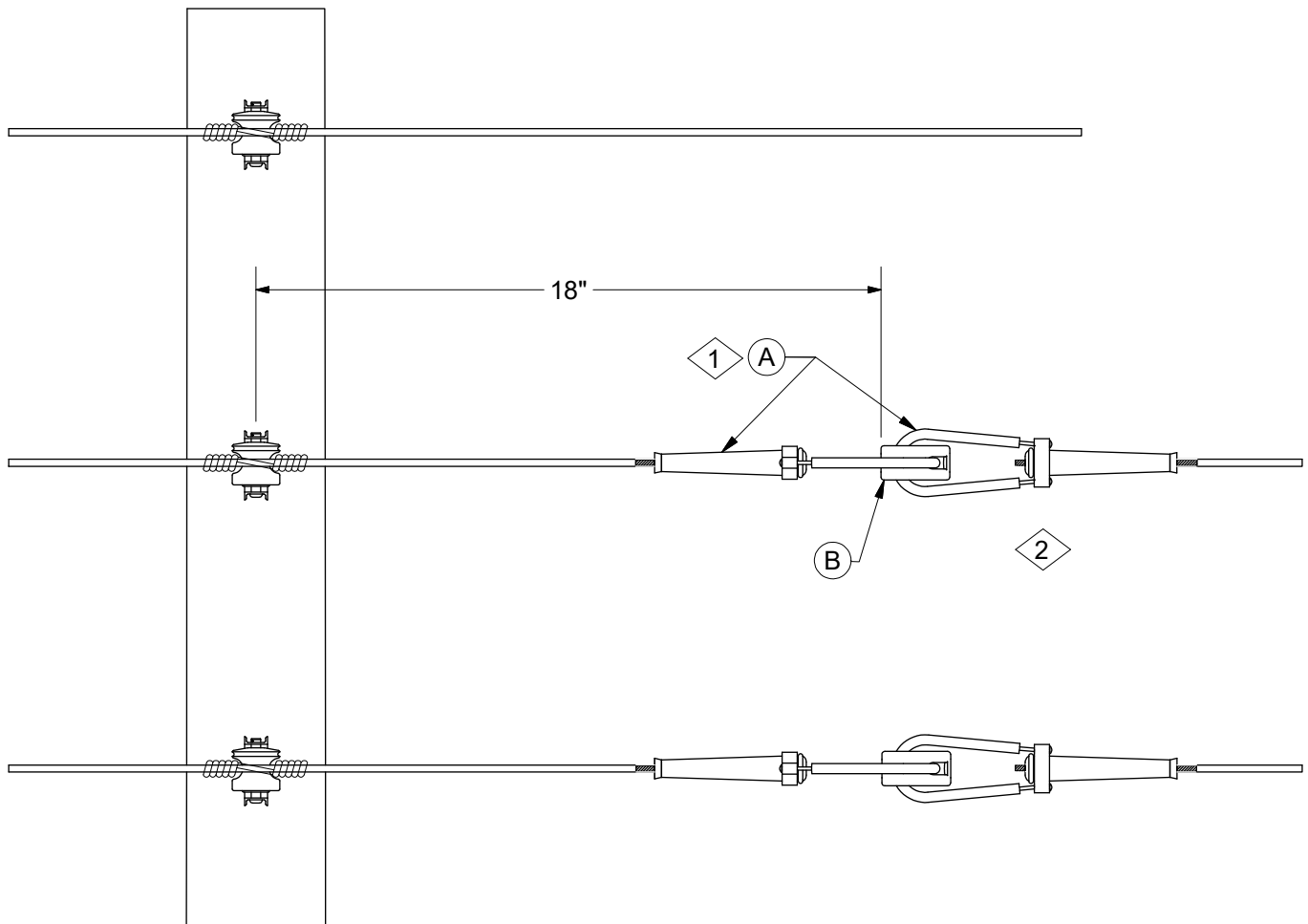


CONSTRUCTION NOTE(s):

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 (Stock #25 53 080) followed by friction tape (Stock #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 Section 9.

ITEM	STK / DCS #	DESCRIPTION	08 01 20 **	00
A	101	Install Secondary Split		1

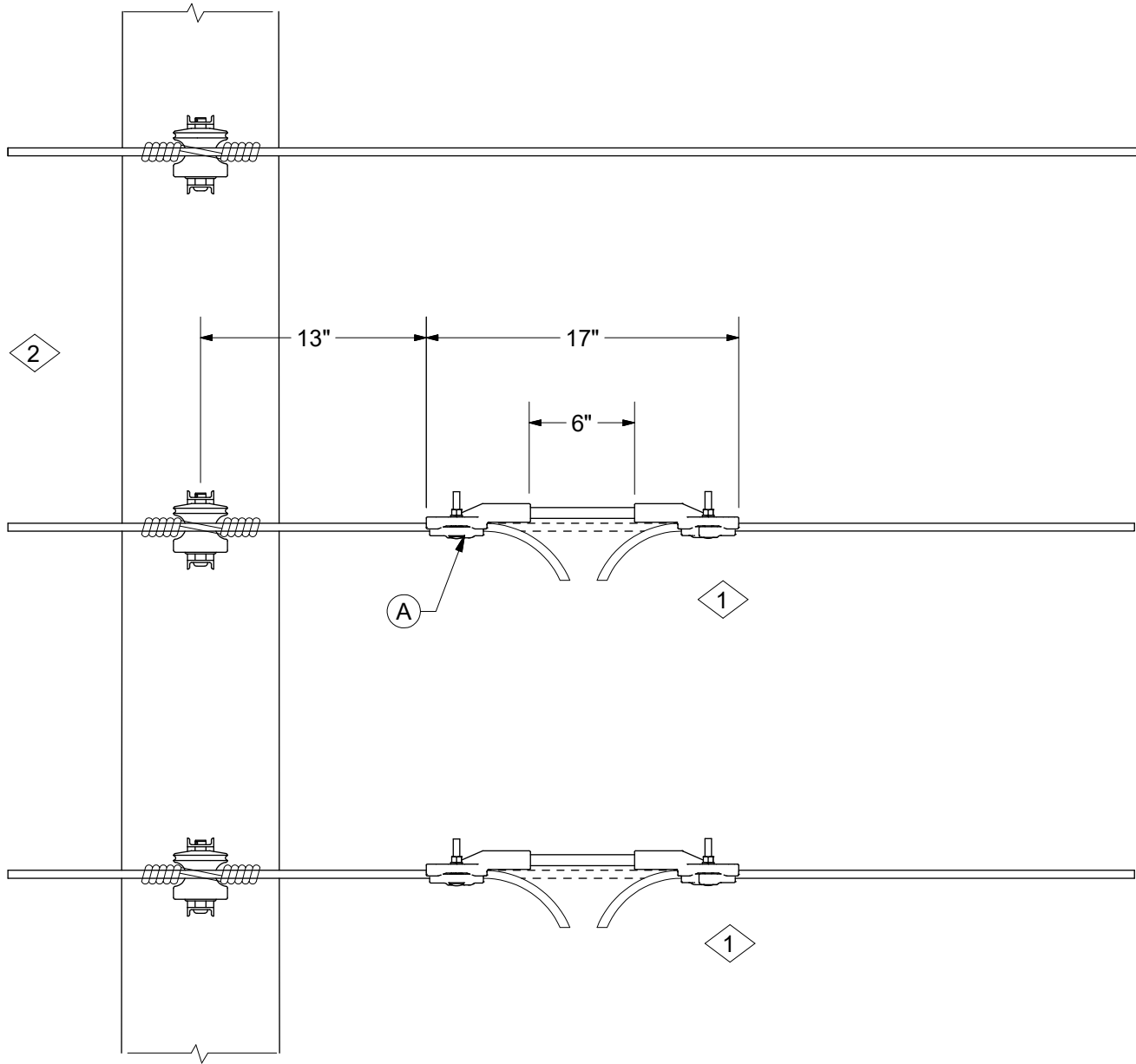


DCS #	DESCRIPTION
08 01 22 01	#4 Cu
08 01 22 02	#2 Cu
08 01 22 03	4/0 AAC

CONSTRUCTION NOTE(s):

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.
2. For Preferred Construction see **DCS 08 01 23 ****.

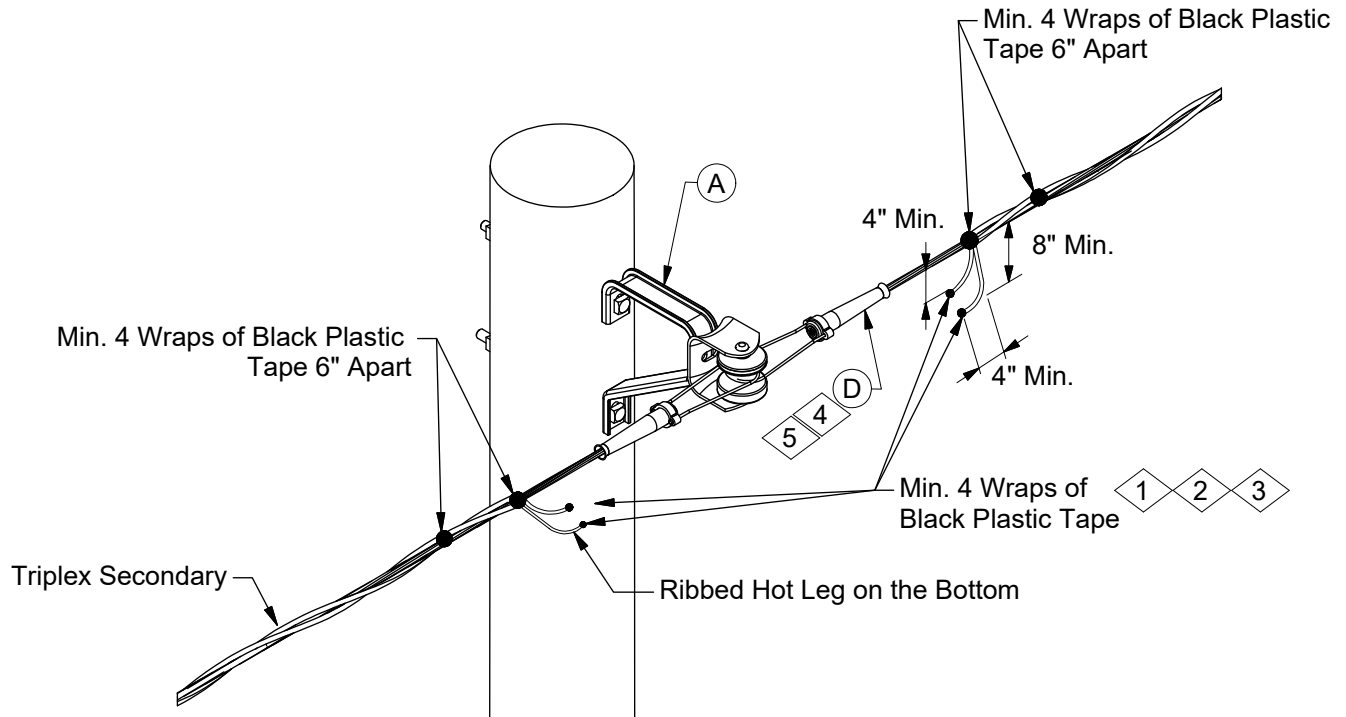
ITEM	STK / DCS #	DESCRIPTION	08 01 22 **	01	02	03
A	23 78 334	Deadend - Automatic 4/0 AAC	-	-	4	
	23 78 355	Deadend - Automatic #2 Cu	-	4	-	
	23 78 353	Deadend - Automatic #4 Cu	4	-	-	
B	25 56 070	Insulator - Guy	2	2	2	
C	101	Install Secondary Split	2	2	2	



CONSTRUCTION NOTE(s):

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.
2. Neutral may be on top or middle position of the rack depending on the operating company.

ITEM	STK / DCS #	DESCRIPTION	08 01 23 **	01
A	25 56 056	Insulator - Sec Split #4 Cu - 4/0 AAC		2
B	101	Install Secondary Split		2



DCS #	DESCRIPTION
08 01 24 01	Straight-Thru
08 01 24 02	Deadend

CONSTRUCTION NOTE(s):

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" apart so that they cannot contact each other.
4. For triplex deadend split use use DCS 08 01 24 02 for applying an automatic deadend 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.

	ITEM	STK / DCS #	DESCRIPTION	08 01 24 **	01	02
1 @ @ 5 @	A	06 01 01 03	Single Clevis w/ Extension Bracket		1	1
	B	25 53 055	Tape, Vinyl Plastic, Black, 3/4" x 66' (RL)		1	1
	C	08 01 03 00	Tie Wire		1	-
	D	SDEA*W	Deadend (See DCS 08 01 10 00)		-	2
	E	PG*W	Clamp, Parallel Groove (See DCS 07 00 25 00)		-	1
	F	101	Install Secondary Split		1	1

NOTES