

**TABLE 1**

	<b>100 feet</b>	<b>150 feet</b>	<b>200 feet</b>	<b>250 feet</b>	<b>300 feet</b>	<b>350 feet</b>
<b>3 - 795 AAC phase and 1-477 AAC neutral</b>						
vertical	26.70%	37.20%	47.60%	58.00%	68.40%	78.80%
transverse	26.30%	36.70%	47.00%	57.30%	67.70%	78.00%
<b>3 - 795 AAC phase and 1-477 AAC neutral, 3-75 KVA transformer, 1 quad service for 50 feet</b>						
vertical	71.20%	81.40%	91.60%	101.90%	N/A	N/A
transverse	70.00%	80.10%	90.30%	100.40%	N/A	N/A
<b>3 - 795 AAC phase and 1-477 AAC neutral, 3-75 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
vertical	72.00%	83.80%	95.60%	107.50%	N/A	N/A
transverse	70.70%	82.50%	94.20%	106.00%	N/A	N/A
<b>3 - 795 AAC phase and 1-477 AAC neutral, one fiber with 1/4" for joint use</b>						
vertical	29.90%	41.80%	53.80%	65.80%	77.70%	89.70%
transverse	29.40%	41.30%	53.20%	65.10%	77.00%	88.90%
<b>3 - 795 AAC phase and 1-477 AAC neutral, one fiber with 1/4", two fibers with 1/4" for joint use</b>						
vertical	33.50%	47.30%	61.10%	75.00%	88.80%	102.60%
transverse	33.10%	46.80%	60.50%	74.30%	88.00%	101.70%
<b>3 - 795 AAC phase and 1-477 AAC neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4" for joint use</b>						
vertical	36.50%	51.80%	67.10%	82.40%	97.70%	N/A
transverse	36.00%	51.30%	66.50%	81.70%	96.90%	N/A
<b>3 - 795 AAC phase and 1-477 AAC neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4", one bundle for joint</b>						
vertical	42.90%	61.40%	79.80%	98.30%	116.80%	N/A
transverse	42.40%	60.70%	79.10%	97.50%	115.80%	N/A

**TABLE 2**

	100 feet	150 feet	200 feet	250 feet	300 feet	350 feet
<b>3 - 477 AAC phase and 1-4/0 AAC neutral</b>						
Utilized vertical pole capacity	23.30%	32.00%	40.70%	49.30%	58.00%	66.70%
Utilized transverse pole capacity	22.90%	31.60%	40.20%	48.80%	57.50%	66.10%
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, 3-75 KVA transformer, 1 quad service for 50 feet</b>						
Utilized vertical pole capacity	65.50%	74.00%	82.50%	91.00%	99.50%	108.00%
Utilized transverse pole capacity	64.30%	72.80%	81.20%	89.70%	98.10%	106.50%
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, 3-75 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
Utilized vertical pole capacity	68.70%	78.80%	89.00%	99.20%	N/A	N/A
Utilized transverse pole capacity	67.50%	77.60%	87.70%	97.80%	N/A	N/A
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
Utilized vertical pole capacity		48.20%	60.60%	73.10%	85.60%	98.00%
Utilized transverse pole capacity		47.50%	59.90%	72.30%	84.70%	97.10%
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4", two fibers for joint use fiber</b>						
Utilized vertical pole capacity		53.90%	68.20%	82.60%	97.00%	111.30%
Utilized transverse pole capacity		53.20%	67.40%	81.70%	96.00%	110.30%
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4", two fibers, 1 telephone for joint use fiber</b>						
Utilized vertical pole capacity		58.40%	74.20%	90.10%	106.00%	N/A
Utilized transverse pole capacity		57.60%	73.40%	89.20%	105.00%	N/A
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, one fiber with 1/4" for joint use</b>						
Utilized vertical pole capacity	26.40%	36.70%	46.90%	57.20%	67.40%	77.60%
Utilized transverse pole capacity	26.00%	36.20%	46.40%	56.60%	66.80%	77.00%
<b>3 - 477 AAC phase and 1-4/0 AAC neutral, one fiber with 1/4", two fibers with 1/4" for joint use</b>						
Utilized vertical pole capacity	30.20%	42.30%	54.40%	66.60%	78.70%	90.80%
Utilized transverse pole capacity	29.80%	41.90%	53.90%	66.00%	78.10%	90.10%

100 feet 150 feet 200 feet 250 feet 300 feet 350 feet

**3 - 477 AAC phase and 1-4/0 AAC neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4" for joint use**

Utilized vertical pole capacity	33.20%	46.80%	60.40%	74.00%	87.60%	101.30%
Utilized transverse pole capacity	32.70%	46.30%	59.80%	73.40%	86.90%	100.50%

**3 - 477 AAC phase and 1-4/0 AAC neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4", one bundle for joint use**

Utilized vertical pole capacity	39.50%	56.30%	73.10%	89.90%	106.70%	N/A
Utilized transverse pole capacity	39.10%	55.80%	72.50%	89.20%	105.90%	N/A

**3 - 477 AAC phase and 1-4/0 AAC neutral, one 25 KVA transformer with 50 feet of 2/0 triplex service, one fiber with 1/4" for joint use**

Utilized vertical pole capacity	30.90%	41.10%	51.30%	61.50%	71.80%	82.00%
Utilized transverse pole capacity	30.40%	40.50%	50.70%	60.90%	71.00%	81.20%

**3 - 477 AAC phase and 1-4/0 AAC neutral, one 25 KVA transformer with 50 feet of 2/0 triplex service, two fiber with 1/4" for joint use**

Utilized vertical pole capacity	34.50%	46.50%	58.50%	70.50%	82.60%	94.60%
Utilized transverse pole capacity	33.90%	45.90%	57.90%	69.80%	81.80%	93.80%

**3 - 477 AAC phase and 1-4/0 AAC neutral, one 25 KVA transformer with 50 feet of 2/0 triplex service, two fiber with 1/4", 6.6 M with 1/4" for joint use**

Utilized vertical pole capacity	38.20%	52.10%	66.00%	79.90%	93.90%	N/A
Utilized transverse pole capacity	37.70%	51.50%	65.30%	79.20%	93.00%	N/A

**3 - 477 AAC phase and 1-4/0 AAC neutral, one 25 KVA XFMR with 50' of 2/0 triplex service, two fiber with 1/4", 6.6 M with 1/4", one bundle for joint use**

Utilized vertical pole capacity	43.70%	60.40%	77.00%	93.70%	110.30%	N/A
Utilized transverse pole capacity	43.10%	59.70%	76.20%	92.80%	109.40%	N/A

**TABLE 3**

	100 feet	150 feet	200 feet	250 feet	300 feet	350 feet
<b>3 - 4/0 ACSR phase and 1-4/0 ACSR neutral</b>						
Utilized vertical pole capacity	20.90%	28.30%	35.80%	43.20%	50.70%	58.20%
Utilized transverse pole capacity	20.50%	27.90%	35.40%	42.80%	50.20%	57.60%
<b>3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, 3-75 KVA transformer, 1 quad service for 50 feet</b>						
Utilized vertical pole capacity	63.10%	70.40%	77.70%	85.00%	92.40%	99.80%
Utilized transverse pole capacity	61.90%	69.20%	76.50%	83.70%	91.10%	98.40%
<b>3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, 3-75 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
Utilized vertical pole capacity	66.30%	75.20%	84.10%	93.00%	102.00%	N/A
Utilized transverse pole capacity	65.10%	73.90%	82.80%	91.70%	100.60%	N/A
<b>3 - /0 ACSR phase and 1-1/0 ACSR neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
Utilized vertical pole capacity		44.50%	55.70%	66.90%	78.20%	89.40%
Utilized transverse pole capacity		43.80%	55.00%	66.20%	77.40%	88.50%
<b>3 - 4/0 ACSR phase and 1-1/0 ACSR neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4", two fibers for joint use fiber</b>						
Utilized vertical pole capacity		50.20%	63.30%	76.40%	89.60%	102.70%
Utilized transverse pole capacity		49.50%	62.60%	75.60%	88.70%	101.80%
<b>3 - 4/0 ACSR phase and 1-1/0 ACSR neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4", two fibers, 1 telephone for joint use fiber</b>						
Utilized vertical pole capacity		54.70%	69.30%	84.00%	98.60%	N/A
Utilized transverse pole capacity		54.00%	68.50%	83.10%	97.70%	N/A
<b>3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one fiber with 1/4" for joint use</b>						
Utilized vertical pole capacity	24.00%	33.00%	42.00%	51.10%	60.10%	69.10%
Utilized transverse pole capacity	23.60%	32.60%	41.60%	50.60%	59.60%	68.50%
<b>3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one fiber with 1/4", two fibers with 1/4" for joint use</b>						
Utilized vertical pole capacity	27.70%	38.60%	49.50%	60.40%	71.30%	82.20%
Utilized transverse pole capacity	27.30%	38.20%	49.00%	59.90%	70.70%	81.60%

100 feet 150 feet 200 feet 250 feet 300 feet 350 feet

**3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4" for joint use**

Utilized vertical pole capacity	30.70%	43.10%	55.50%	67.90%	80.20%	92.60%
Utilized transverse pole capacity	30.30%	42.60%	55.00%	67.30%	79.60%	91.90%

**3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4", one bundle for joint use**

Utilized vertical pole capacity	37.10%	52.60%	68.20%	83.80%	99.30%	114.90%
Utilized transverse pole capacity	36.60%	52.10%	62.60%	83.10%	98.60%	114.00%

**3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one 25 KVA transformer with 50 feet of 2/0 triplex service, one fiber with 1/4" for joint use**

Utilized vertical pole capacity	28.40%	37.40%	46.40%	55.40%	64.40%	73.40%
Utilized transverse pole capacity	27.90%	36.90%	45.80%	54.80%	63.70%	72.20%

**3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one 25 KVA transformer with 50 feet of 2/0 triplex service, two fiber with 1/4" for joint use**

Utilized vertical pole capacity	32.60%	43.70%	54.80%	65.80%	76.90%	88.00%
Utilized transverse pole capacity	32.10%	43.10%	54.10%	65.20%	76.20%	87.30%

**3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one 25 KVA transformer with 50 feet of 2/0 triplex service, two fiber with 1/4", 6.6 M with 1/4" for joint use**

Utilized vertical pole capacity	35.80%	48.40%	61.10%	73.80%	86.50%	99.10%
Utilized transverse pole capacity	35.20%	47.80%	60.50%	73.10%	85.70%	98.30%

**3 - 4/0 ACSR phase and 1-4/0 ACSR neutral, one 25 KVA XFMR with 50' of 2/0 triplex service, two fiber with 1/4", 6.6 M with 1/4", one bundle for joint use**

Utilized vertical pole capacity	41.20%	56.70%	72.10%	87.50%	102.90%	N/A
Utilized transverse pole capacity	40.70%	56.00%	71.30%	86.70%	102.00%	N/A

**TABLE 4**

	<b>100 feet</b>	<b>150 feet</b>	<b>200 feet</b>	<b>250 feet</b>	<b>300 feet</b>	<b>350 feet</b>
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral</b>						
Utilized vertical pole capacity	18.50%	24.80%	31.10%	37.40%	43.70%	50.00%
Utilized transverse pole capacity	18.20%	24.40%	30.70%	37.00%	43.20%	49.50%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, 3-75 KVA transformer, 1 quad service for 50 feet</b>						
Utilized vertical pole capacity	60.90%	67.00%	73.10%	79.20%	85.30%	91.80%
Utilized transverse pole capacity	59.70%	65.80%	71.90%	77.90%	84.00%	90.50%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, 3-75 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
Utilized vertical pole capacity	64.00%	71.70%	79.50%	87.30%	95.10%	102.90%
Utilized transverse pole capacity	62.80%	70.50%	78.30%	86.00%	93.80%	101.60%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4" for joint use fiber</b>						
Utilized vertical pole capacity		41.00%	51.10%	61.20%	71.30%	81.40%
Utilized transverse pole capacity		40.40%	50.50%	60.50%	70.50%	80.60%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4", two fibers for joint use fiber</b>						
Utilized vertical pole capacity		47.30%	59.50%	71.70%	83.80%	96.00%
Utilized transverse pole capacity		46.70%	58.80%	70.90%	83.10%	95.20%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, 1/0 secondary, 1-50 KVA transformer, 1 quad service for 50 feet, one fiber with 1/4", two fibers, 1 telephone for joint use fiber</b>						
Utilized vertical pole capacity		52.10%	65.80%	79.60%	93.40%	107.10%
Utilized transverse pole capacity		51.40%	65.10%	78.80%	92.50%	105.20%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, one fiber with 1/4" for joint use</b>						
Utilized vertical pole capacity	21.60%	29.50%	37.30%	45.20%	53.00%	60.90%
Utilized transverse pole capacity	21.30%	29.10%	36.90%	44.80%	52.60%	60.40%
<b>3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, one fiber with 1/4", two fibers with 1/4" for joint use</b>						
Utilized vertical pole capacity	25.40%	35.20%	44.90%	54.70%	64.40%	74.20%
Utilized transverse pole capacity	25.10%	34.80%	44.50%	54.20%	63.90%	73.60%

**100 feet   150 feet   200 feet   250 feet   300 feet   350 feet**

**3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4" for joint use**

Utilized vertical pole capacity	28.40%	39.60%	50.90%	62.10%	73.40%	84.60%
Utilized transverse pole capacity	28.00%	39.20%	50.40%	61.60%	72.80%	84.00%

**3 - 1/0 ACSR phase and 1-1/0 ACSR neutral, one fiber with 1/4", two fibers with 1/4", 6.6 M with 1/4", one bundle for joint use**

Utilized vertical pole capacity	34.80%	49.20%	63.60%	78.00%	92.40%	106.80%
Utilized transverse pole capacity	34.30%	48.70%	63.00%	77.40%	91.70%	106.10%