

Tree Wire Ampacity Table - ACSR 75°C Conductors



75°C Black Conductors (Amps)

Conductor Size	Code Name	15 kV		25 kV		35kV	
		Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
1/0 AWG	Raven	241	300	233	291	229	287
2/0 AWG	Quail	277	346	268	335	263	330
3/0 AWG	Pigeon	320	400	308	386	303	380
4/0 AWG	Penguin	386	461	354	446	348	439
266.8 KCM	Waxwing	421	528	405	510	398	502
336.4 KCM	Merlin	485	611	467	589	458	579
397.5 KCM	Chickadee	538	678	517	653	507	642
477.0 KCM	Pelican	602	760	517	730	566	718

¹Normal Ampacity @ 75°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 100°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 100°C Conductor Temperature

75°C Gray Conductors (Amps)

Conductor Size	Code Name	15 kV		25 kV		35kV	
		Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
1/0 AWG	Raven	244	297	238	290	235	287
2/0 AWG	Quail	281	342	273	334	270	330
3/0 AWG	Pigeon	323	394	314	384	310	380
4/0 AWG	Penguin	372	454	362	442	357	437
266.8 KCM	Waxwing	425	520	413	506	407	499
336.4 KCM	Merlin	490	600	476	583	469	576
397.5 KCM	Chickadee	543	665	526	646	519	638
477.0 KCM	Pelican	607	745	588	723	580	713

¹Normal Ampacity @ 75°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 100°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 100°C Conductor Temperature

Tree Wire Ampacity Table - ACSR 90°C Conductors



90°C Black Conductors (Amps)

Conductor Size	Code Name	15 kV		25 kV		35kV	
		Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
1/0 AWG	Raven	279	319	270	310	266	305
2/0 AWG	Quail	321	368	315	362	311	357
3/0 AWG	Pigeon	371	425	358	411	353	405
4/0 AWG	Penguin	428	491	413	475	406	467
266.8 KCM	Waxwing	490	563	472	543	464	534
336.4 KCM	Merlin	566	651	545	628	536	617
397.5 KCM	Chickadee	627	723	604	696	594	685
477.0 KCM	Pelican	703	811	677	781	665	767

¹Normal Ampacity @ 90°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 110°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 110°C Conductor Temperature

90°C Gray Conductors (Amps)

Conductor Size	Code Name	15 kV		25 kV		35kV	
		Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
1/0 AWG	Raven	278	314	271	307	268	303
2/0 AWG	Quail	320	362	312	353	308	349
3/0 AWG	Pigeon	368	417	359	407	355	402
4/0 AWG	Penguin	425	481	413	468	408	463
266.8 KCM	Waxwing	486	550	472	536	466	529
336.4 KCM	Merlin	560	636	544	618	537	610
397.5 KCM	Chickadee	621	705	603	685	595	676
477.0 KCM	Pelican	695	790	675	767	665	756

¹Normal Ampacity @ 90°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 110°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 110°C Conductor Temperature

Tree Wire Ampacity Table - AAAC 75°C Conductors



75°C Black Conductors (Amps)

Equivant Conductor Size	Code Name	Actual Size	15 kV		25 kV		35kV	
			Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	Ames	77.47 KCM	182	226	—	—	—	—
1/0 AWG	Azuza	123.3 KCM	241	300	233	291	229	287
2/0 AWG	Anaheim	155.4 KCM	278	346	268	335	263	330
3/0 AWG	Amherst	195.7 KCM	334	418	308	386	303	381
4/0 AWG	Alliance	246.9 KCM	368	462	355	446	348	439

¹Normal Ampacity @ 75°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 100°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 100°C Conductor Temperature

75°C Gray Conductors (Amps)

Equivant Conductor Size	Code Name	Actual Size	15 kV		25 kV		35kV	
			Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	Ames	77.47 KCM	185	210	—	—	—	—
1/0 AWG	Azuza	123.3 KCM	244	297	238	290	235	287
2/0 AWG	Anaheim	155.4 KCM	281	342	274	334	270	330
3/0 AWG	Amherst	195.7 KCM	338	412	314	384	310	380
4/0 AWG	Alliance	246.9 KCM	372	455	362	443	357	437

¹Normal Ampacity @ 75°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 100°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 100°C Conductor Temperature

Tree Wire Ampacity Table - AAAC 90°C Conductors



90°C Black Conductors (Amps)

Equivant Conductor Size	Code Name	Actual Size	15 kV		25 kV		35kV	
			Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	Ames	77.47 KCM	210	240	—	—	—	—
1/0 AWG	Azuza	123.3 KCM	279	319	270	310	266	305
2/0 AWG	Anaheim	155.4 KCM	322	369	311	357	306	352
3/0 AWG	Amherst	195.7 KCM	388	445	358	411	353	405
4/0 AWG	Alliance	246.9 KCM	428	491	413	475	406	467

¹Normal Ampacity @ 90°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 110°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 110°C Conductor Temperature

90°C Gray Conductors (Amps)

Equivant Conductor Size	Code Name	Actual Size	15 kV		25 kV		35kV	
			Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	Ames	77.47 KCM	210	237	—	—	—	—
1/0 AWG	Azuza	123.3 KCM	278	314	271	307	268	304
2/0 AWG	Anaheim	155.4 KCM	320	362	312	353	308	349
3/0 AWG	Amherst	195.7 KCM	386	436	359	407	355	402
4/0 AWG	Alliance	246.9 KCM	425	481	414	469	408	463

¹Normal Ampacity @ 90°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

²Emergency Ampacity @ 110°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 110°C Conductor Temperature