

Parameter	Condition 1	Condition 2	Condition 3	Condition 4
Conductor temperature (°C)	75	100	75	100
Ambient temperature (°C)	25	25	25	25
Wind speed (m/sec)	4	4	8	8
Sun	Yes	Yes	Yes	Yes
Air density (kg/m ³)	1.18	1.18	1.18	1.18

Ampacity, Amps

Condition		1/0 AWG, 35 kV		336.4 KCM, 35 kV		556.5 KCM, 35 kV	
		Industrial Atmosphere	Clear Atmosphere	Industrial Atmosphere	Clear Atmosphere	Industrial Atmosphere	Clear Atmosphere
1	Black Cable	289	286	602	594	829	818
	Gray Cable	293	291	609	605	839	833
2	Black Cable	346	344	722	716	996	987
	Gray Cable	348	347	725	721	999	994
3	Black Cable	308	306	647	642	895	887
	Gray Cable	311	310	654	651	904	900
4	Black Cable	367	365	771	767	1067	1061
	Gray Cable	369	368	774	772	1072	1069

continued

75°C Black Conductors

Conductor Size	15 kV		25 kV		35kV		46 kV		69 kV	
	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	176	218	-	-	-	-	-	-	-	-
1/0 AWG	232	289	225	280	221	276	215	269	-	-
2/0 AWG	267	332	258	322	254	318	246	309	-	-
3/0 AWG	307	383	297	371	292	366	283	356	-	-
4/0 AWG	354	442	341	428	335	421	325	410	315	399
266.8 KCM	408	511	393	494	386	486	374	472	363	460
336.4 KCM	470	590	453	570	445	561	430	544	417	530
397.5 KCM	522	656	502	633	493	622	477	604	462	587
477.0 KCM	582	734	560	707	550	696	532	675	516	656
556.5 KCM	639	807	615	778	604	765	584	742	566	722
636.0 KCM	695	879	667	846	655	831	633	806	614	783
795.0 KCM	793	1006	764	971	750	954	724	924	702	898

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

Conductor Size	15 kV		25 kV		35kV		46 kV		69 kV	
	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	179	216	-	-	-	-	-	-	-	-
1/0 AWG	235	286	230	280	227	277	222	271	-	-
2/0 AWG	270	329	264	321	260	318	254	311	-	-
3/0 AWG	311	378	303	370	299	365	292	258	-	-
4/0 AWG	358	436	348	425	344	420	336	411	328	402
266.8 KCM	413	504	401	491	396	485	386	474	377	463
336.4 KCM	475	581	462	565	456	558	444	545	433	533
397.5 KCM	527	645	512	627	505	619	392	604	479	590
477.0 KCM	588	721	571	701	563	691	548	674	535	660
556.5 KCM	645	792	627	770	618	760	602	741	587	724
636.0 KCM	702	862	680	836	670	825	652	804	636	786
795.0 KCM	801	986	778	959	767	945	746	921	727	900

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

continued

90°C Black Conductors

Conductor Size	15 kV		25 kV		35kV		46 kV		69 kV	
	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	203	231	-	-	-	-	-	-	-	-
1/0 AWG	268	307	260	298	257	294	250	287	-	-
2/0 AWG	309	353	299	343	295	338	287	329	-	-
3/0 AWG	356	407	344	395	339	389	330	379	-	-
4/0 AWG	410	470	397	455	391	448	379	436	369	425
266.8 KCM	474	544	458	526	450	518	437	503	425	490
336.4 KCM	547	629	528	607	519	597	504	580	490	565
397.5 KCM	608	699	586	674	576	663	558	644	543	626
477.0 KCM	679	783	654	754	643	742	624	720	606	701
556.5 KCM	746	861	720	830	707	816	685	792	666	770
636.0 KCM	819	938	782	903	768	887	744	860	723	837
795.0 KCM	929	1075	897	1037	881	1019	853	987	828	959

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

Conductor Size	15 kV		25 kV		35kV		46 kV		69 kV	
	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²	Normal ¹	Emergency ²
#2 AWG	203	229	-	-	-	-	-	-	-	-
1/0 AWG	268	302	262	296	259	293	253	287	-	-
2/0 AWG	308	347	300	340	297	336	291	329	-	-
3/0 AWG	354	400	346	391	342	387	334	378	-	-
4/0 AWG	408	461	398	450	393	445	384	435	376	426
266.8 KCM	471	533	458	519	453	513	442	502	432	491
336.4 KCM	543	615	528	599	521	591	509	578	497	565
397.5 KCM	602	683	585	664	578	656	564	640	551	626
477.0 KCM	673	764	654	742	645	733	629	715	615	699
556.5 KCM	739	839	718	816	709	805	691	786	675	768
636.0 KCM	804	914	780	887	769	875	750	853	732	834
795.0 KCM	919	1046	894	1017	881	1003	858	977	838	955

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