15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	delta Td for .0160 pf & Rho 90	delta Td for .0160 pf & Rho 120
		90°C - Copper Conductor - Compact Round Strand								
4/0	410	319	305	307	288	296	274	0.6	0.7	0.7
250	390	352	336	338	317	325	300	0.6	0.7	0.8
350	354	426	406	408	382	392	361	0.7	0.8	0.9
500	299	521	494	497	462	476	436	0.7	0.8	0.9
750	247	647	611	615	568	587	533	0.8	0.9	1.1
1000	210	744	700	705	648	670	606	0.9	1.0	1.2

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1828

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	delta Td for .0160 pf & Rho 90	delta Td for .0160 pf & Rho 120
		90°C - Copper Conductor - Compact Round Strand								
4/0	410	284	259	263	233	244	214	0.8	1.0	1.2
250	390	312	283	288	254	267	233	0.9	1.1	1.3
350	354	376	339	345	303	319	277	1.0	1.2	1.5
500	299	453	408	415	364	383	330	1.1	1.4	1.7
750	247	557	497	505	440	466	398	1.2	1.6	1.9
1000	210	634	563	572	495	526	447	1.4	1.8	2.2

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	90	120
		90°C - Copper Conductor - Compact Round Strand								
4/0	410	245	215	218	187	197	166	1.2	1.6	2.1
250	390	269	235	238	202	215	180	1.3	1.7	2.2
350	354	321	278	283	242	255	215	1.5	2.0	2.5
500	299	385	332	337	288	303	255	1.6	2.2	2.8
750	247	467	401	407	341	364	302	1.9	2.6	3.3
1000	210	527	454	457	382	408	337	2.1	2.9	3.7

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1830

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

		60 Rho		90 Rho		120 Rho		delta Td for .0160 pf & Rho		
		75 LF	100 LF	75 LF	100 LF	75 LF	100 LF	60	90	120
Condr Size	Sheath Res									
		90°C - Copper Conductor - Compact Round Strand								
4/0	410	221	189	193	162	174	144	1.6	2.2	2.7
250	390	241	205	211	176	190	157	1.7	2.3	2.9
350	354	286	244	250	208	224	184	1.9	2.6	3.3
500	299	342	290	297	247	266	218	2.2	3.0	3.7
750	247	412	347	356	294	317	259	2.5	3.5	4.4
1000	210	463	388	399	328	354	288	2.8	3.9	5.0

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable in Underground Duct Bank - 1 Circuit - Three Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	90	120
		90°C - Copper Conductor - Compact Round Strand								
4/0	410	359	341	342	318	328	300	0.4	0.5	0.5
250	390	392	372	373	346	357	325	0.4	0.5	0.6
350	354	464	439	440	407	419	381	0.5	0.5	0.6
500	299	545	512	514	473	488	441	0.5	0.6	0.7
750	247	639	598	600	548	567	508	0.6	0.7	0.8
750	Open	797	744	751	685	712	637	0.6	0.7	0.8
1000	210	700	652	655	595	617	550	0.6	0.7	0.9
1000	Open	938	871	880	798	831	740	0.6	0.8	0.9
1250	184	742	688	692	626	650	577	0.6	0.8	0.9
1250	Open	1058	978	989	893	933	826	0.7	0.8	1.0
		90°C - Copper Conductor - Concentric Strand								
1500	Open	1178	1083	1096	983	1028	906	0.7	0.9	1.1
1750	Open	1267	1164	1176	1052	1102	968	0.8	1.0	1.1
2000	Open	1347	1233	1248	1114	1168	1022	0.8	1.0	1.2
		90°C - Copper Conductor - Compact Segmental Strand								
1000	198	718	667	671	607	631	560	0.6	0.8	0.9
1000	Open	977	904	915	827	863	765	0.7	0.8	0.9
1250	173	764	708	711	642	667	591	0.7	0.8	1.0
1250	Open	1115	1028	1040	937	978	865	0.7	0.9	1.0
1500	Open	1239	1140	1153	1034	1082	953	0.7	0.9	1.1
1750	Open	1352	1242	1256	1123	1177	1033	0.8	1.0	1.1
2000	Open	1457	1333	1350	1204	1263	1106	0.8	1.0	1.2
2250	Open	1546	1411	1429	1273	1334	1167	0.8	1.0	1.2
2500	Open	1634	1489	1509	1341	1406	1227	0.9	1.1	1.3
2750	Open	1715	1560	1581	1402	1472	1282	0.9	1.1	1.3
3000	Open	1777	1615	1637	1450	1523	1325	0.9	1.2	1.4

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1832

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable in Underground Duct Bank - 2 Circuits - Six Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	90	120
		90°C - Copper Conductor - Compact Round Strand								
4/0	410	331	302	306	272	285	249	0.6	0.7	0.8
250	390	361	328	333	295	310	270	0.6	0.7	0.9
350	354	428	387	392	346	364	316	0.6	0.8	1.0
500	299	505	454	460	403	425	366	0.7	0.9	1.1
750	247	597	532	540	471	496	424	0.8	1.0	1.3
750	Open	713	639	648	567	597	515	0.8	1.0	1.3
1000	210	660	585	594	515	543	466	0.9	1.2	1.4
1000	Open	833	742	753	654	692	595	0.9	1.2	1.4
1250	184	705	622	631	546	576	492	1.0	1.2	1.5
1250	Open	935	829	842	728	771	656	1.0	1.3	1.5
		90°C - Copper Conductor - Concentric Strand								
1500	Open	1032	909	924	793	842	713	1.1	1.4	1.8
1750	Open	1106	972	987	847	899	759	1.1	1.5	1.9
2000	Open	1172	1027	1043	892	948	799	1.2	1.6	2.0
		90°C - Copper Conductor - Compact Segmental Strand								
1000	198	677	598	608	526	555	475	0.9	1.2	1.5
1000	Open	864	768	779	675	714	609	0.9	1.2	1.5
1250	173	727	639	649	561	591	499	1.0	1.3	1.6
1250	Open	981	867	881	759	805	684	1.0	1.3	1.6
1500	Open	1086	957	972	835	886	750	1.1	1.4	1.8
1750	Open	1180	1037	1054	904	959	810	1.1	1.5	1.9
2000	Open	1267	1111	1129	965	1026	865	1.2	1.6	2.0
2250	Open	1341	1175	1192	1024	1081	910	1.2	1.7	2.1
2500	Open	1415	1237	1254	1077	1136	955	1.3	1.7	2.2
2750	Open	1482	1294	1312	1116	1187	995	1.3	1.8	2.2
3000	Open	1534	1334	1359	1152	1226	1036	1.4	1.8	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp	60 Rho Flux	60 Rho Amps	90 Rho Interface Temp	90 Rho Flux	90 Rho Amps	120 Rho Interface Temp	120 Rho Flux	120 Rho Amps	delta Td for .0160 pf & Rho 60	90	120
		°C	w/ft²		°C	w/ft²		°C	w/ft²				
75% LF													
90°C - Copper Conductor - Compact Round Strand													
4/0	410	65	79.5	439	70	61.6	386	74	50.4	350	0.3	0.4	0.6
250	390	66	78.9	484	71	60.9	425	75	49.8	384	0.3	0.5	0.6
350	354	67	77.9	586	73	59.5	513	76	48.5	462	0.4	0.5	0.7
500	299	69	75.8	716	74	57.6	623	77	46.6	559	0.4	0.6	0.7
750	247	71	73.2	888	76	55.0	768	79	44.1	688	0.5	0.7	0.8
1000	210	72	67.8	1013	76	50.8	875	79	40.7	783	0.5	0.7	0.9
1250	184	73	66.3	1115	77	49.3	961	80	39.5	858	0.5	0.8	1.0
90°C - Copper Conductor - Concentric Strand													
1500	154	74	63.8	1189	78	47.1	1020	81	37.4	909	0.6	0.9	1.1
1750	145	75	62.7	1251	79	46.1	1071	81	36.6	953	0.6	0.9	1.2
2000	132	76	61.6	1298	80	45.2	1110	82	35.9	987	0.7	1.0	1.2
90°C - Copper Conductor - Compact Segmental Strand													
1000	198	72	66.7	1053	77	49.7	908	80	39.8	811	0.5	0.8	1.0
1250	173	74	65.2	1171	78	48.4	1007	80	38.6	898	0.6	0.8	1.1
1500	154	75	64.0	1267	79	47.2	1087	81	37.6	968	0.6	0.9	1.1
1750	145	75	63.0	1350	79	46.3	1156	82	36.7	1028	0.6	0.9	1.2
2000	132	76	62.1	1415	80	45.4	1209	82	36.0	1074	0.7	1.0	1.2
2250	126	77	61.3	1470	80	44.7	1254	82	35.3	1113	0.7	1.0	1.3
2500	116	77	60.5	1514	81	44.0	1289	83	34.8	1143	0.7	1.0	1.3
2750	111	78	59.8	1557	81	43.5	1324	83	34.3	1174	0.7	1.1	1.4
3000	103	77	57.3	1567	81	41.7	1335	83	33.0	1184	0.8	1.1	1.4

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1834

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp Amps °C	Flux w/ft²	---- 90 Rho--- Interface Temp Amps °C	Flux w/ft²	----120 Rho--- Interface Temp Amps °C	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
				100% LF						
				90°C - Copper Conductor - Compact Round Strand						
4/0	410	403 69	66.8	348 74	50.2	311 77	40.1	0.3	0.4	0.6
250	390	443 70	66.3	382 75	49.4	341 78	39.4	0.3	0.5	0.6
350	354	534 71	64.6	459 76	47.7	408 79	37.8	0.4	0.5	0.7
500	299	648 73	62.2	553 77	45.6	491 80	35.9	0.4	0.6	0.7
750	247	797 75	59.2	677 79	42.8	599 81	33.6	0.5	0.7	0.8
1000	210	905 75	54.2	767 79	39.1	677 82	30.5	0.5	0.7	0.9
1250	184	990 76	52.5	837 80	37.7	738 82	29.4	0.5	0.8	1.0
				90°C - Copper Conductor - Concentric Strand						
1500	154	1048 78	49.6	882 81	35.4	776 83	27.5	0.6	0.9	1.1
1750	145	1098 79	48.4	923 82	34.3	810 84	26.6	0.6	0.9	1.2
2000	132	1136 79	47.3	953 82	33.4	836 84	25.8	0.7	1.0	1.2
				90°C - Copper Conductor - Compact Segmental Strand						
1000	198	937 76	53.0	793 80	38.0	699 82	29.7	0.5	0.8	1.0
1250	173	1036 77	51.2	874 81	36.6	770 83	28.5	0.6	0.8	1.1
1500	154	1116 78	49.9	939 82	35.5	825 83	27.5	0.6	0.9	1.1
1750	145	1185 79	48.6	995 82	34.4	873 84	26.7	0.6	0.9	1.2
2000	132	1237 79	47.6	1036 83	33.6	909 84	25.9	0.7	1.0	1.2
2250	126	1281 80	46.6	1072 83	32.9	939 85	25.3	0.7	1.0	1.3
2500	116	1314 80	45.8	1098 83	32.1	961 85	24.7	0.7	1.0	1.3
2750	111	1348 81	45.0	1125 84	31.5	984 85	24.2	0.7	1.1	1.4
3000	103	1354 81	43.0	1131 83	30.1	990 85	23.2	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						80°C - Copper Conductor - Compact Round Strand							
4/0	410	410	59	67.3	361	63	52.1	326	67	42.7	0.3	0.4	0.6
250	390	452	59	66.7	397	64	51.6	358	67	42.1	0.3	0.5	0.6
350	354	547	61	65.9	478	65	50.3	431	68	41.0	0.4	0.5	0.7
500	299	667	62	64.3	580	67	48.8	521	69	39.3	0.4	0.6	0.7
750	247	826	64	62.1	715	68	46.5	639	71	37.4	0.5	0.7	0.8
1000	210	941	64	57.4	813	68	43.0	727	71	34.5	0.5	0.7	0.9
1250	184	1033	66	56.2	890	69	41.8	794	71	33.5	0.5	0.8	1.0
						80°C - Copper Conductor - Concentric Strand							
1500	154	1100	67	54.0	943	70	39.9	840	72	31.7	0.6	0.9	1.1
1750	145	1155	67	53.1	989	71	39.0	880	73	31.0	0.6	0.9	1.2
2000	132	1198	68	52.3	1024	71	38.3	910	73	30.3	0.7	1.0	1.2
						80°C - Copper Conductor - Compact Segmental Strand							
1000	198	979	65	56.5	844	69	42.2	754	71	33.7	0.5	0.8	1.0
1250	173	1087	66	55.3	934	70	41.0	833	72	32.6	0.6	0.8	1.1
1500	154	1175	67	54.2	1007	71	40.0	896	72	31.8	0.6	0.9	1.1
1750	145	1250	68	53.4	1069	71	39.2	951	73	31.1	0.6	0.9	1.2
2000	132	1308	68	52.7	1117	72	38.5	992	73	30.4	0.7	1.0	1.2
2250	126	1358	69	52.0	1157	72	37.9	1027	74	29.9	0.7	1.0	1.3
2500	116	1396	69	51.3	1188	72	37.3	1053	74	29.4	0.7	1.0	1.3
2750	111	1435	70	50.8	1220	73	36.8	1080	74	29.0	0.7	1.1	1.4
3000	103	1442	69	48.6	1228	72	35.3	1088	74	27.9	0.8	1.1	1.4

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1836

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp	60 Rho Flux	60 Rho Amps	90 Rho Interface Temp	90 Rho Flux	90 Rho Amps	120 Rho Interface Temp	120 Rho Flux	120 Rho Amps	delta Td for .0160 pf & Rho 60	90	120
		°C	w/ft²	Amps	°C	w/ft²	Amps	°C	w/ft²	Amps			
100% LF													
80°C - Copper Conductor - Compact Round Strand													
4/0	410	62	56.8	376	67	42.5	290	69	33.8		0.3	0.4	0.6
250	390	63	56.0	414	67	41.9	318	70	33.4		0.3	0.5	0.6
350	354	64	54.7	498	68	40.4	380	71	32.0		0.4	0.5	0.7
500	299	66	52.7	604	69	38.6	457	72	30.4		0.4	0.6	0.7
750	247	67	50.2	742	71	36.3	557	73	28.5		0.5	0.7	0.8
1000	210	68	45.9	840	71	33.1	629	73	25.9		0.5	0.7	0.9
1250	184	69	44.4	918	72	31.9	684	74	24.9		0.5	0.8	1.0
80°C - Copper Conductor - Concentric Strand													
1500	154	70	42.1	969	73	29.9	717	74	23.2		0.6	0.9	1.1
1750	145	70	41.0	1014	73	29.1	748	75	22.5		0.6	0.9	1.2
2000	132	71	40.0	1048	74	28.3	770	75	21.9		0.7	1.0	1.2
80°C - Copper Conductor - Compact Segmental Strand													
1000	198	68	44.8	871	72	32.2	650	73	25.2		0.5	0.8	1.0
1250	173	69	43.4	962	72	31.0	714	74	24.1		0.6	0.8	1.1
1500	154	70	42.2	1034	73	30.0	764	75	23.3		0.6	0.9	1.1
1750	145	71	41.2	1097	73	29.2	808	75	22.5		0.6	0.9	1.2
2000	132	71	40.3	1143	74	28.4	839	75	22.0		0.7	1.0	1.2
2250	126	72	39.5	1183	74	27.8	866	76	21.4		0.7	1.0	1.3
2500	116	72	38.8	1212	74	27.2	885	76	20.9		0.7	1.0	1.3
2750	111	72	38.2	1242	75	26.7	905	76	20.5		0.7	1.1	1.4
3000	103	72	36.4	1246	75	25.5	910	76	19.6		0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp	60 Rho Flux	60 Rho Amps	90 Rho Interface Temp	90 Rho Flux	90 Rho Amps	120 Rho Interface Temp	120 Rho Flux	120 Rho Amps	delta Td for .0160 pf & Rho 60	90	120
		°C	w/ft²		°C	w/ft²		°C	w/ft²				
75% LF													
65°C - Copper Conductor - Compact Round Strand													
4/0	410	50	49.0	357	53	37.8	284	55	31.1		0.3	0.4	0.6
250	390	50	48.5	394	54	37.6	312	56	30.7		0.3	0.5	0.6
350	354	51	47.9	477	54	36.7	375	56	29.8		0.4	0.5	0.7
500	299	52	46.7	581	55	35.4	453	57	28.6		0.4	0.6	0.7
750	247	54	45.2	717	56	33.9	554	58	27.1		0.5	0.7	0.8
1000	210	54	41.8	814	57	31.3	627	58	25.1		0.5	0.7	0.9
1250	184	55	41.0	891	57	30.4	684	59	24.2		0.5	0.8	1.0
65°C - Copper Conductor - Concentric Strand													
1500	154	56	39.3	945	58	29.0	720	60	23.1		0.6	0.9	1.1
1750	145	56	38.7	992	58	28.4	753	60	22.5		0.6	0.9	1.2
2000	132	56	38.1	1026	59	27.8	777	60	22.1		0.7	1.0	1.2
65°C - Copper Conductor - Compact Segmental Strand													
1000	198	54	41.2	848	57	30.7	652	59	24.5		0.5	0.8	1.0
1250	173	55	40.3	939	58	29.8	718	59	23.7		0.6	0.8	1.1
1500	154	56	39.5	1012	58	29.1	770	60	23.2		0.6	0.9	1.1
1750	145	56	38.9	1075	59	28.6	816	60	22.6		0.6	0.9	1.2
2000	132	57	38.4	1123	59	28.0	849	60	22.2		0.7	1.0	1.2
2250	126	57	37.9	1163	59	27.6	877	61	21.8		0.7	1.0	1.3
2500	116	57	37.4	1194	60	27.2	898	61	21.4		0.7	1.0	1.3
2750	111	58	37.0	1225	60	26.8	920	61	21.0		0.7	1.1	1.4
3000	103	57	35.4	1229	60	25.7	925	61	20.2		0.8	1.1	1.4

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1838

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	328	52	41.2	283	55	30.9	253	57	24.6	0.3	0.4	0.6
250	390	361	53	40.9	311	56	30.3	277	58	24.3	0.3	0.5	0.6
350	354	434	53	39.9	372	57	29.4	331	58	23.4	0.4	0.5	0.7
500	299	525	55	38.4	448	57	28.0	397	59	22.1	0.4	0.6	0.7
750	247	644	56	36.4	546	58	26.4	482	60	20.6	0.5	0.7	0.8
1000	210	726	56	33.5	615	59	24.1	543	60	18.9	0.5	0.7	0.9
1250	184	792	57	32.4	668	59	23.3	588	60	18.1	0.5	0.8	1.0
						65°C - Copper Conductor - Concentric Strand							
1500	154	832	58	30.6	700	60	21.7	614	61	16.9	0.6	0.9	1.1
1750	145	870	58	30.0	730	60	21.2	640	61	16.4	0.6	0.9	1.2
2000	132	897	58	29.2	751	60	20.6	657	62	15.9	0.7	1.0	1.2
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	755	57	32.7	638	59	23.5	562	60	18.4	0.5	0.8	1.0
1250	173	831	57	31.7	700	60	22.6	615	61	17.5	0.6	0.8	1.1
1500	154	891	58	30.7	749	60	21.9	657	61	16.9	0.6	0.9	1.1
1750	145	943	58	30.1	790	60	21.3	693	61	16.5	0.6	0.9	1.2
2000	132	981	59	29.4	820	61	20.7	718	62	16.0	0.7	1.0	1.2
2250	126	1013	59	28.8	846	61	20.2	740	62	15.6	0.7	1.0	1.3
2500	116	1036	59	28.3	864	61	19.8	754	62	15.2	0.7	1.0	1.3
2750	111	1060	60	27.8	883	61	19.4	771	62	14.9	0.7	1.1	1.4
3000	103	1062	59	26.5	885	61	18.6	773	62	14.3	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Amps	Interface Temp °C	Flux w/ft²	---- 90 Rho--- Amps	Interface Temp °C	Flux w/ft²	----120 Rho--- Amps	Interface Temp °C	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	289	40	30.5	254	43	23.8	229	44	19.3	0.3	0.4	0.6
250	390	318	41	30.3	279	43	23.5	252	44	19.2	0.3	0.5	0.6
350	354	385	41	29.9	336	43	22.8	302	45	18.5	0.4	0.5	0.7
500	299	468	42	29.2	406	44	22.1	364	45	17.8	0.4	0.6	0.7
750	247	576	43	28.3	497	45	21.1	443	46	16.9	0.5	0.7	0.8
1000	210	651	43	26.2	561	45	19.6	500	46	15.6	0.5	0.7	0.9
1250	184	711	44	25.6	610	45	19.1	543	46	15.1	0.5	0.8	1.0
						50°C - Copper Conductor - Concentric Strand							
1500	154	750	44	24.6	641	46	18.1	569	47	14.4	0.6	0.9	1.1
1750	145	786	45	24.2	670	46	17.7	594	47	14.0	0.6	0.9	1.2
2000	132	811	45	23.8	690	46	17.4	611	47	13.7	0.7	1.0	1.2
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	680	43	25.8	584	45	19.1	520	46	15.2	0.5	0.8	1.0
1250	173	751	44	25.2	643	46	18.6	571	47	14.8	0.6	0.8	1.1
1500	154	807	44	24.8	689	46	18.2	611	47	14.4	0.6	0.9	1.1
1750	145	855	45	24.4	728	46	17.8	645	47	14.1	0.6	0.9	1.2
2000	132	890	45	24.0	757	46	17.5	669	47	13.8	0.7	1.0	1.2
2250	126	921	45	23.7	781	47	17.2	690	47	13.6	0.7	1.0	1.3
2500	116	943	45	23.4	799	47	17.0	705	47	13.3	0.7	1.0	1.3
2750	111	966	46	23.2	817	47	16.7	721	48	13.1	0.7	1.1	1.4
3000	103	967	45	22.2	820	47	16.0	723	47	12.6	0.8	1.1	1.4

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1840

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	265	42	25.9	229	44	19.3	204	45	15.3	0.3	0.4	0.6
250	390	291	42	25.5	251	44	19.0	223	45	15.2	0.3	0.5	0.6
350	354	351	43	24.9	300	45	18.3	267	46	14.6	0.4	0.5	0.7
500	299	423	44	24.0	361	45	17.5	319	46	13.8	0.4	0.6	0.7
750	247	517	44	22.9	438	46	16.6	386	47	13.0	0.5	0.7	0.8
1000	210	581	45	20.9	491	46	15.1	432	47	11.8	0.5	0.7	0.9
1250	184	631	45	20.3	531	46	14.5	467	47	11.3	0.5	0.8	1.0
						50°C - Copper Conductor - Concentric Strand							
1500	154	661	46	19.2	554	47	13.6	485	48	10.5	0.6	0.9	1.1
1750	145	689	46	18.8	577	47	13.3	505	48	10.2	0.6	0.9	1.2
2000	132	709	46	18.3	592	47	12.9	517	48	9.9	0.7	1.0	1.2
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	605	45	20.5	510	46	14.7	448	47	11.5	0.5	0.8	1.0
1250	173	664	45	19.9	558	47	14.1	489	47	11.0	0.6	0.8	1.1
1500	154	710	46	19.3	595	47	13.7	521	48	10.7	0.6	0.9	1.1
1750	145	749	46	18.9	626	47	13.4	548	48	10.3	0.6	0.9	1.2
2000	132	777	46	18.4	648	47	13.0	566	48	10.0	0.7	1.0	1.2
2250	126	801	46	18.1	667	48	12.7	582	48	9.7	0.7	1.0	1.3
2500	116	818	47	17.7	680	48	12.4	592	48	9.5	0.7	1.0	1.3
2750	111	835	47	17.4	694	48	12.2	604	48	9.3	0.7	1.1	1.4
3000	103	835	47	16.6	694	48	11.7	604	48	9.0	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Copper Conductor - Compact Round Strand							
4/0	410	391	70	63.1	339	75	47.3	303	78	38.0	0.4	0.6	0.8
250	390	430	71	62.3	371	76	46.5	332	79	37.2	0.5	0.7	0.9
350	354	517	72	60.6	445	77	44.9	396	80	35.7	0.5	0.7	1.0
500	299	626	74	58.1	536	78	42.7	476	81	33.8	0.6	0.8	1.1
750	247	769	76	55.0	654	80	39.9	580	82	31.5	0.7	1.0	1.3
1000	210	870	76	50.3	740	80	36.4	655	82	28.6	0.8	1.1	1.4
1250	184	952	77	48.5	806	81	34.9	712	83	27.4	0.8	1.2	1.5
						90°C - Copper Conductor - Concentric Strand							
1500	154	1004	79	45.7	848	82	32.6	747	84	25.5	0.9	1.3	1.8
1750	145	1051	79	44.5	886	83	31.7	780	84	24.6	1.0	1.4	1.9
2000	132	1086	80	43.2	914	83	30.8	803	85	23.9	1.0	1.5	2.0
						90°C - Copper Conductor - Compact Segmental Strand							
1000	198	901	77	49.0	764	81	35.4	676	83	27.7	0.8	1.2	1.5
1250	173	994	78	47.2	841	82	33.9	742	83	26.5	0.9	1.3	1.6
1500	154	1069	79	45.8	902	82	32.7	795	84	25.5	0.9	1.3	1.8
1750	145	1134	80	44.6	955	83	31.8	840	84	24.7	1.0	1.4	1.9
2000	132	1182	80	43.5	994	83	30.9	874	85	23.9	1.0	1.5	2.0
2250	126	1223	81	42.6	1027	84	30.2	902	85	23.4	1.1	1.6	2.1
2500	116	1254	81	41.6	1051	84	29.4	922	85	22.8	1.1	1.6	2.1
2750	111	1285	82	40.9	1076	84	28.9	944	86	22.4	1.2	1.7	2.2
3000	103	1290	81	39.0	1081	84	27.6	949	85	21.3	1.2	1.7	2.3

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1842

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						90°C - Copper Conductor - Compact Round Strand							
4/0	410	347	74	49.6	295	79	35.9	261	81	28.4	0.4	0.6	0.8
250	390	380	75	48.7	322	79	35.2	285	82	27.5	0.5	0.7	0.9
350	354	455	76	47.0	384	80	33.7	339	82	26.2	0.5	0.7	1.0
500	299	547	78	44.4	460	81	31.6	405	83	24.5	0.6	0.8	1.1
750	247	666	79	41.4	558	83	29.2	489	84	22.6	0.7	1.0	1.3
1000	210	750	80	37.4	628	83	26.3	550	85	20.4	0.8	1.1	1.4
1250	184	816	81	35.8	681	84	25.1	596	85	19.3	0.8	1.2	1.5
						90°C - Copper Conductor - Concentric Strand							
1500	154	855	82	33.3	711	84	23.2	621	86	17.8	0.9	1.3	1.8
1750	145	892	82	32.1	741	85	22.3	646	86	17.1	1.0	1.4	1.9
2000	132	919	83	31.1	762	85	21.6	663	86	16.5	1.0	1.5	2.0
						90°C - Copper Conductor - Compact Segmental Strand							
1000	198	774	80	36.3	646	83	25.4	566	85	19.6	0.8	1.2	1.5
1250	173	850	81	34.6	708	84	24.2	619	85	18.6	0.9	1.3	1.6
1500	154	910	82	33.3	757	85	23.2	660	86	17.8	0.9	1.3	1.8
1750	145	962	83	32.3	798	85	22.3	696	86	17.1	1.0	1.4	1.9
2000	132	999	83	31.2	828	85	21.6	721	86	16.5	1.0	1.5	2.0
2250	126	1031	84	30.4	853	86	21.0	743	87	16.0	1.1	1.6	2.1
2500	116	1054	84	29.6	871	86	20.4	758	87	15.6	1.1	1.6	2.1
2750	111	1078	84	28.9	890	86	19.9	774	87	15.2	1.2	1.7	2.2
3000	103	1081	84	27.5	893	86	19.0	776	87	14.4	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Amps	Interface Temp	Flux w/ft²	---- 90 Rho--- Amps	Interface Temp	Flux w/ft²	----120 Rho--- Amps	Interface Temp	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						80°C - Copper Conductor - Compact Round Strand							
4/0	410	365	63	53.4	316	67	40.1	283	70	32.2	0.4	0.6	0.8
250	390	401	64	52.8	346	68	39.4	309	70	31.6	0.5	0.7	0.9
350	354	483	65	51.3	415	69	38.0	369	71	30.3	0.5	0.7	1.0
500	299	584	66	49.3	499	70	36.2	443	72	28.6	0.6	0.8	1.1
750	247	715	68	46.5	608	71	33.9	539	73	26.7	0.7	1.0	1.3
1000	210	808	69	42.5	687	72	30.8	607	74	24.2	0.8	1.1	1.4
1250	184	882	69	41.1	747	72	29.5	659	74	23.1	0.8	1.2	1.5
						80°C - Copper Conductor - Concentric Strand							
1500	154	928	71	38.7	783	73	27.7	690	75	21.5	0.9	1.3	1.8
1750	145	970	71	37.6	817	74	26.8	719	75	20.9	1.0	1.4	1.9
2000	132	1001	72	36.7	842	74	26.0	740	75	20.2	1.0	1.5	2.0
						80°C - Copper Conductor - Compact Segmental Strand							
1000	198	837	69	41.4	710	72	30.0	627	74	23.4	0.8	1.2	1.5
1250	173	923	70	40.0	780	73	28.8	688	74	22.4	0.9	1.3	1.6
1500	154	991	71	38.8	835	73	27.7	735	75	21.6	0.9	1.3	1.8
1750	145	1049	71	37.8	883	74	26.9	776	75	20.9	1.0	1.4	1.9
2000	132	1092	72	36.9	917	74	26.1	806	76	20.3	1.0	1.5	2.0
2250	126	1129	72	36.0	947	75	25.5	831	76	19.8	1.1	1.6	2.1
2500	116	1155	73	35.3	968	75	24.9	849	76	19.3	1.1	1.6	2.1
2750	111	1183	73	34.6	990	75	24.4	867	76	18.9	1.2	1.7	2.2
3000	103	1186	73	33.1	993	75	23.3	871	76	18.0	1.2	1.7	2.3

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1844

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Amps	Interface Temp °C	Flux w/ft²	---- 90 Rho--- Amps	Interface Temp °C	Flux w/ft²	----120 Rho--- Amps	Interface Temp °C	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Copper Conductor - Compact Round Strand							
4/0	410	324	67	42.0	275	70	30.5	243	73	24.0	0.4	0.6	0.8
250	390	354	67	41.3	301	71	29.9	266	73	23.5	0.5	0.7	0.9
350	354	424	69	39.7	358	72	28.4	316	74	22.3	0.5	0.7	1.0
500	299	509	70	37.6	429	73	26.9	377	74	20.7	0.6	0.8	1.1
750	247	619	71	35.1	519	74	24.7	455	75	19.1	0.7	1.0	1.3
1000	210	696	72	31.7	582	74	22.3	510	75	17.2	0.8	1.1	1.4
1250	184	756	72	30.3	631	75	21.3	551	76	16.4	0.8	1.2	1.5
						80°C - Copper Conductor - Concentric Strand							
1500	154	790	73	28.1	657	75	19.5	573	76	15.0	0.9	1.3	1.8
1750	145	823	74	27.2	683	76	18.9	595	77	14.5	1.0	1.4	1.9
2000	132	847	74	26.3	702	76	18.3	611	77	13.9	1.0	1.5	2.0
						80°C - Copper Conductor - Compact Segmental Strand							
1000	198	719	72	30.7	600	74	21.5	525	76	16.6	0.8	1.2	1.5
1250	173	789	73	29.3	657	75	20.5	573	76	15.8	0.9	1.3	1.6
1500	154	843	73	28.2	700	75	19.7	611	77	15.0	0.9	1.3	1.8
1750	145	890	74	27.3	738	76	18.9	643	77	14.5	1.0	1.4	1.9
2000	132	923	74	26.4	764	76	18.3	665	77	14.0	1.0	1.5	2.0
2250	126	951	75	25.8	787	76	17.8	684	77	13.6	1.1	1.6	2.1
2500	116	971	75	25.0	802	77	17.2	697	77	13.2	1.1	1.6	2.1
2750	111	992	75	24.5	818	77	16.9	711	78	12.9	1.2	1.7	2.2
3000	103	994	75	23.3	820	77	16.0	712	77	12.3	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	318	53	38.9	275	56	29.2	246	58	23.3	0.4	0.6	0.8
250	390	350	53	38.4	302	56	28.7	269	58	22.9	0.5	0.7	0.9
350	354	420	54	37.4	361	57	27.7	321	59	21.9	0.5	0.7	1.0
500	299	507	55	35.9	434	58	26.3	385	59	20.7	0.6	0.8	1.1
750	247	620	56	33.9	527	59	24.6	466	60	19.3	0.7	1.0	1.3
1000	210	698	57	30.9	592	59	22.3	523	60	17.6	0.8	1.1	1.4
1250	184	759	57	29.9	642	60	21.5	566	61	16.9	0.8	1.2	1.5
						65°C - Copper Conductor - Concentric Strand							
1500	154	796	58	28.1	671	60	20.1	590	61	15.6	0.9	1.3	1.8
1750	145	831	59	27.3	699	61	19.4	614	62	15.1	1.0	1.4	1.9
2000	132	856	59	26.6	718	61	18.9	630	62	14.6	1.0	1.5	2.0
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	724	57	30.2	613	59	21.8	541	61	17.0	0.8	1.2	1.5
1250	173	796	58	29.1	672	60	20.8	592	61	16.2	0.9	1.3	1.6
1500	154	853	58	28.2	718	60	20.1	631	61	15.7	0.9	1.3	1.8
1750	145	901	59	27.5	757	61	19.5	664	62	15.1	1.0	1.4	1.9
2000	132	936	59	26.8	784	61	19.0	687	62	14.7	1.0	1.5	2.0
2250	126	965	60	26.3	808	61	18.5	708	62	14.3	1.1	1.6	2.1
2500	116	986	60	25.7	824	61	18.1	721	62	13.9	1.1	1.6	2.1
2750	111	1008	60	25.2	841	62	17.8	736	62	13.7	1.2	1.7	2.2
3000	103	1009	60	24.0	843	61	17.0	737	62	13.1	1.2	1.7	2.3

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1846

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Interface Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Interface Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	282	55	30.7	240	58	22.3	212	60	17.4	0.4	0.6	0.8
250	390	309	56	30.1	262	58	21.6	231	60	17.0	0.5	0.7	0.9
350	354	369	57	28.8	312	59	20.8	274	60	16.1	0.5	0.7	1.0
500	299	443	58	27.4	372	60	19.5	327	61	15.1	0.6	0.8	1.1
750	247	537	59	25.5	449	61	17.9	393	62	13.9	0.7	1.0	1.3
1000	210	602	59	23.1	502	61	16.3	439	62	12.6	0.8	1.1	1.4
1250	184	651	59	22.0	542	61	15.5	473	62	11.9	0.8	1.2	1.5
						65°C - Copper Conductor - Concentric Strand							
1500	154	678	60	20.5	562	62	14.3	490	63	11.0	0.9	1.3	1.8
1750	145	705	60	19.8	584	62	13.8	508	63	10.5	1.0	1.4	1.9
2000	132	723	61	19.2	598	62	13.3	520	63	10.1	1.0	1.5	2.0
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	622	59	22.4	519	61	15.7	453	62	12.1	0.8	1.2	1.5
1250	173	680	60	21.4	566	61	15.0	493	62	11.5	0.9	1.3	1.6
1500	154	725	60	20.5	601	62	14.3	524	63	11.0	0.9	1.3	1.8
1750	145	764	61	19.9	632	62	13.8	550	63	10.5	1.0	1.4	1.9
2000	132	790	61	19.3	653	62	13.3	567	63	10.1	1.0	1.5	2.0
2250	126	813	61	18.7	671	62	12.9	582	63	9.8	1.1	1.6	2.1
2500	116	828	61	18.3	683	63	12.6	592	63	9.5	1.1	1.6	2.1
2750	111	845	62	17.8	696	63	12.3	603	63	9.3	1.2	1.7	2.2
3000	103	845	61	17.0	696	63	11.7	603	63	8.9	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	257	42	24.4	222	44	18.3	198	46	14.5	0.4	0.6	0.8
250	390	282	43	24.1	243	45	17.8	217	46	14.4	0.5	0.7	0.9
350	354	339	43	23.4	290	45	17.2	258	46	13.7	0.5	0.7	1.0
500	299	408	44	22.4	348	46	16.3	308	47	12.9	0.6	0.8	1.1
750	247	497	45	21.2	421	46	15.4	372	47	12.0	0.7	1.0	1.3
1000	210	558	45	19.3	472	46	14.0	415	47	11.0	0.8	1.1	1.4
1250	184	604	45	18.7	509	47	13.4	448	47	10.5	0.8	1.2	1.5
						50°C - Copper Conductor - Concentric Strand							
1500	154	631	46	17.6	529	47	12.5	464	48	9.7	0.9	1.3	1.8
1750	145	657	46	17.1	550	47	12.1	481	48	9.4	1.0	1.4	1.9
2000	132	675	46	16.6	564	48	11.7	492	48	9.0	1.0	1.5	2.0
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	579	45	18.9	489	47	13.6	430	47	10.6	0.8	1.2	1.5
1250	173	635	46	18.2	534	47	13.0	469	48	10.2	0.9	1.3	1.6
1500	154	678	46	17.6	568	47	12.5	498	48	9.8	0.9	1.3	1.8
1750	145	714	46	17.1	597	47	12.1	522	48	9.4	1.0	1.4	1.9
2000	132	739	47	16.7	617	48	11.8	539	48	9.1	1.0	1.5	2.0
2250	126	761	47	16.3	634	48	11.6	553	48	8.9	1.1	1.6	2.1
2500	116	776	47	16.1	645	48	11.3	562	48	8.6	1.1	1.6	2.1
2750	111	792	47	15.7	658	48	11.0	573	48	8.4	1.2	1.7	2.2
3000	103	791	47	14.9	658	48	10.5	572	48	8.1	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	228	44	19.1	193	46	13.9	171	47	10.9	0.4	0.6	0.8
250	390	249	44	18.8	211	46	13.6	186	47	10.7	0.5	0.7	0.9
350	354	298	45	18.2	251	46	12.9	221	47	10.1	0.5	0.7	1.0
500	299	356	45	17.2	299	47	12.2	262	48	9.5	0.6	0.8	1.1
750	247	430	46	16.0	359	47	11.3	314	48	8.7	0.7	1.0	1.3
1000	210	480	46	14.4	400	47	10.2	349	48	7.8	0.8	1.1	1.4
1250	184	518	47	13.8	430	48	9.7	374	48	7.4	0.8	1.2	1.5
						50°C - Copper Conductor - Concentric Strand							
1500	154	537	47	12.8	444	48	8.9	385	49	6.8	0.9	1.3	1.8
1750	145	557	47	12.4	460	48	8.6	398	49	6.6	1.0	1.4	1.9
2000	132	570	47	12.0	469	48	8.3	406	49	6.4	1.0	1.5	2.0
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	497	47	14.0	413	48	9.8	360	48	7.6	0.8	1.2	1.5
1250	173	542	47	13.4	449	48	9.4	390	48	7.1	0.9	1.3	1.6
1500	154	576	47	12.8	476	48	8.9	413	49	6.8	0.9	1.3	1.8
1750	145	605	47	12.4	499	48	8.7	432	49	6.6	1.0	1.4	1.9
2000	132	624	48	12.0	514	48	8.3	444	49	6.4	1.0	1.5	2.0
2250	126	641	48	11.7	527	48	8.1	455	49	6.2	1.1	1.6	2.1
2500	116	651	48	11.5	534	49	7.9	461	49	6.0	1.1	1.6	2.1
2750	111	663	48	11.2	544	49	7.7	469	49	5.9	1.2	1.7	2.2
3000	103	662	48	10.7	542	49	7.3	468	49	5.5	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Copper Conductor - Compact Round Strand							
4/0	410	477	60	57.7	425	66	45.7	387	70	38.0	0.2	0.3	0.4
250	390	523	61	58.1	465	67	45.9	422	71	37.9	0.3	0.4	0.4
350	354	625	63	59.4	550	69	46.0	498	73	37.7	0.3	0.4	0.5
500	299	740	66	60.4	648	72	46.4	582	76	37.5	0.3	0.4	0.6
750	247	873	69	60.7	756	75	45.7	677	78	36.6	0.3	0.5	0.6
750	Open	1039	65	48.3	912	71	37.3	822	74	30.4	0.4	0.5	0.6
1000	210	944	70	56.5	817	75	42.2	730	78	33.8	0.4	0.5	0.7
1000	Open	1204	65	43.9	1055	71	33.8	950	75	27.3	0.4	0.6	0.7
1250	184	1002	72	56.0	862	77	41.6	768	79	33.0	0.4	0.6	0.7
1250	Open	1354	67	42.6	1181	72	32.4	1061	76	26.2	0.4	0.6	0.8
						90°C - Copper Conductor - Concentric Strand							
1500	Open	1499	69	40.4	1301	74	30.5	1165	77	24.6	0.5	0.7	0.9
1750	Open	1609	69	39.6	1393	75	29.7	1246	78	23.9	0.5	0.7	1.0
2000	Open	1707	70	38.6	1474	75	28.9	1317	78	23.2	0.5	0.8	1.0
						90°C - Copper Conductor - Compact Segmental Strand							
1000	198	967	71	55.5	834	76	41.4	745	79	33.0	0.4	0.6	0.7
1000	Open	1252	66	43.0	1093	72	33.0	983	75	26.6	0.4	0.6	0.8
1250	173	1030	73	55.1	884	78	40.6	787	80	32.3	0.4	0.6	0.8
1250	Open	1423	68	41.7	1238	73	31.5	1111	76	25.4	0.5	0.7	0.8
1500	Open	1577	69	40.4	1368	74	30.5	1226	77	24.6	0.5	0.7	0.9
1750	Open	1718	69	39.6	1486	75	29.7	1329	78	23.9	0.5	0.7	1.0

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1850

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp Amps	Flux °C w/ft²		---- 90 Rho--- Interface Temp Amps	Flux °C w/ft²		----120 Rho--- Interface Temp Amps	Flux °C w/ft²		delta Td for .0160 pf & Rho 60	90	120
					100% LF								
					90°C - Copper Conductor - Compact Round Strand								
4/0	410	432	65	47.0	377	71	36.0	339	75	29.0	0.2	0.3	0.4
250	390	471	66	47.2	410	72	36.0	368	76	28.9	0.3	0.4	0.4
350	354	558	69	47.5	483	74	35.3	431	77	28.2	0.3	0.4	0.5
500	299	656	72	47.5	562	77	35.1	500	79	27.8	0.3	0.4	0.6
750	247	770	75	47.3	654	79	34.2	578	82	26.8	0.3	0.5	0.6
750	Open	923	70	38.2	794	75	28.2	707	78	22.5	0.4	0.5	0.6
1000	210	831	76	43.7	706	80	31.7	624	82	24.8	0.4	0.5	0.7
1000	Open	1065	71	34.4	916	76	25.4	814	79	20.1	0.4	0.6	0.7
1250	184	877	77	43.0	742	81	30.9	654	83	24.0	0.4	0.6	0.7
1250	Open	1192	72	33.0	1021	77	24.2	906	80	19.1	0.4	0.6	0.8
					90°C - Copper Conductor - Concentric Strand								
1500	Open	1311	74	31.0	1117	78	22.7	989	81	17.8	0.5	0.7	0.9
1750	Open	1402	74	30.1	1192	79	21.9	1055	81	17.2	0.5	0.7	1.0
2000	Open	1483	75	29.2	1259	79	21.1	1112	82	16.6	0.5	0.8	1.0
					90°C - Copper Conductor - Compact Segmental Strand								
1000	198	849	76	42.8	720	80	30.8	635	83	24.2	0.4	0.6	0.7
1000	Open	1104	72	33.6	946	77	24.8	840	79	19.6	0.4	0.6	0.8
1250	173	899	77	41.9	758	81	30.1	668	83	23.4	0.4	0.6	0.8
1250	Open	1249	73	32.1	1067	77	23.6	946	80	18.6	0.5	0.7	0.8
1500	Open	1379	74	31.0	1175	78	22.7	1041	81	17.8	0.5	0.7	0.9
1750	Open	1497	74	30.1	1273	79	21.9	1126	81	17.2	0.5	0.7	1.0

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp	60 Rho Flux	60 Rho Amps	90 Rho Interface Temp	90 Rho Flux	90 Rho Amps	120 Rho Interface Temp	120 Rho Flux	120 Rho Amps	delta Td for .0160 pf & Rho 60	90	120
		°C	w/ft²	Amps	°C	w/ft²	Amps	°C	w/ft²	Amps			
					75% LF								
					80°C - Copper Conductor - Compact Round Strand								
4/0	410	54	49.0	444	60	39.0	396	63	32.4	360	0.2	0.3	0.4
250	390	56	49.8	487	61	39.2	432	64	32.4	392	0.3	0.4	0.4
350	354	58	50.8	580	63	39.5	510	66	32.1	461	0.3	0.4	0.5
500	299	60	51.5	684	65	39.7	598	68	32.1	538	0.3	0.4	0.6
750	247	63	51.9	802	67	39.0	694	70	31.3	621	0.3	0.5	0.6
750	Open	59	40.9	970	64	31.6	850	67	25.6	767	0.4	0.5	0.6
1000	210	64	48.3	864	68	36.1	746	70	28.8	667	0.4	0.5	0.7
1000	Open	59	37.1	1122	64	28.5	983	67	23.1	885	0.4	0.6	0.7
1250	184	65	47.8	913	69	35.3	785	71	28.1	699	0.4	0.6	0.7
1250	Open	60	35.9	1261	65	27.5	1100	68	22.3	988	0.4	0.6	0.8
					80°C - Copper Conductor - Concentric Strand								
1500	Open	62	34.3	1395	66	25.8	1210	69	20.7	1083	0.5	0.7	0.9
1750	Open	63	33.5	1496	67	25.2	1294	70	20.2	1157	0.5	0.7	1.0
2000	Open	63	32.6	1586	68	24.4	1369	70	19.6	1223	0.5	0.8	1.0
					80°C - Copper Conductor - Compact Segmental Strand								
1000	198	64	47.5	885	68	35.4	762	71	28.2	680	0.4	0.6	0.7
1000	Open	60	36.4	1168	65	27.8	1020	68	22.6	917	0.4	0.6	0.8
1250	173	66	47.1	940	70	34.7	805	72	27.5	716	0.4	0.6	0.8
1250	Open	61	35.2	1328	66	26.7	1155	69	21.5	1036	0.5	0.7	0.8
1500	Open	62	34.3	1472	66	25.8	1276	69	20.7	1143	0.5	0.7	0.9
1750	Open	63	33.5	1602	67	25.2	1386	70	20.2	1239	0.5	0.7	1.0

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1852

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Copper Conductor - Compact Round Strand							
4/0	410	402	59	40.0	351	64	30.7	315	67	24.7	0.2	0.3	0.4
250	390	438	60	40.1	381	65	30.5	342	68	24.7	0.3	0.4	0.4
350	354	517	62	40.4	447	67	30.3	399	69	24.1	0.3	0.4	0.5
500	299	606	65	40.7	519	69	29.9	461	71	23.7	0.3	0.4	0.6
750	247	708	68	40.4	601	71	29.2	530	73	22.9	0.3	0.5	0.6
750	Open	861	63	32.3	741	68	23.9	660	70	19.1	0.4	0.5	0.6
1000	210	760	68	37.4	645	72	27.1	570	74	21.2	0.4	0.5	0.7
1000	Open	993	64	29.2	853	68	21.6	759	71	17.0	0.4	0.6	0.7
1250	184	799	69	36.7	675	72	26.4	595	74	20.5	0.4	0.6	0.7
1250	Open	1110	65	27.9	951	69	20.5	844	71	16.2	0.4	0.6	0.8
						80°C - Copper Conductor - Concentric Strand							
1500	Open	1220	66	26.3	1039	70	19.2	920	72	15.0	0.5	0.7	0.9
1750	Open	1304	67	25.5	1108	70	18.6	980	73	14.6	0.5	0.7	1.0
2000	Open	1378	67	24.8	1169	71	18.0	1033	73	14.0	0.5	0.8	1.0
						80°C - Copper Conductor - Compact Segmental Strand							
1000	198	776	69	36.6	657	72	26.4	580	74	20.6	0.4	0.6	0.7
1000	Open	1030	64	28.4	883	69	21.0	784	71	16.6	0.4	0.6	0.8
1250	173	819	69	35.8	691	73	25.6	608	74	19.8	0.4	0.6	0.8
1250	Open	1166	65	27.3	996	69	19.8	883	72	15.8	0.5	0.7	0.8
1500	Open	1287	66	26.3	1096	70	19.2	970	72	15.0	0.5	0.7	0.9
1750	Open	1396	67	25.5	1187	70	18.6	1049	73	14.6	0.5	0.7	1.0

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Amps	60 Rho Interface Temp °C	60 Rho Interface Flux w/ft²	90 Rho Interface Amps	90 Rho Interface Temp °C	90 Rho Interface Flux w/ft²	120 Rho Interface Amps	120 Rho Interface Temp °C	120 Rho Interface Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	385	47	36.0	343	50	28.7	312	53	23.7	0.2	0.3	0.4
250	390	422	47	36.6	373	51	28.9	339	54	23.8	0.3	0.4	0.4
350	354	501	49	37.7	440	53	29.1	397	55	23.8	0.3	0.4	0.5
500	299	585	51	38.0	511	54	29.1	460	56	23.7	0.3	0.4	0.5
750	247	681	53	38.2	588	56	28.7	526	58	22.9	0.3	0.5	0.6
750	Open	845	50	29.6	741	53	22.9	667	55	18.6	0.4	0.5	0.6
1000	210	729	53	35.7	628	56	26.4	561	58	21.2	0.4	0.5	0.7
1000	Open	976	50	26.9	855	54	20.8	769	56	16.8	0.4	0.6	0.7
1250	184	767	54	35.3	658	57	26.0	585	59	20.7	0.4	0.6	0.7
1250	Open	1095	51	26.2	955	54	19.9	857	56	16.2	0.4	0.6	0.8
						65°C - Copper Conductor - Concentric Strand							
1500	Open	1210	52	24.9	1049	55	18.8	939	57	15.2	0.5	0.7	0.9
1750	Open	1297	52	24.3	1122	56	18.2	1002	58	14.6	0.5	0.7	1.0
2000	Open	1372	53	23.8	1184	56	17.8	1056	58	14.2	0.5	0.8	1.0
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	747	54	35.0	642	57	26.0	572	59	20.6	0.4	0.6	0.7
1000	Open	1019	51	26.4	889	54	20.2	799	56	16.4	0.4	0.6	0.8
1250	173	789	55	34.7	675	58	25.4	599	59	20.2	0.4	0.6	0.8
1250	Open	1157	51	25.6	1006	55	19.5	902	57	15.6	0.5	0.7	0.8
1500	Open	1282	52	24.9	1111	55	18.8	994	57	15.2	0.5	0.7	0.9
1750	Open	1395	52	24.3	1206	56	18.2	1077	58	14.6	0.5	0.7	1.0

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1854

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	348	50	29.7	304	54	22.7	273	56	18.3	0.2	0.3	0.4
250	390	379	51	29.5	329	54	22.5	295	56	18.0	0.3	0.4	0.4
350	354	446	52	30.0	385	56	22.3	343	58	17.8	0.3	0.4	0.5
500	299	520	54	30.2	444	57	22.1	394	59	17.5	0.3	0.4	0.5
750	247	601	56	29.9	510	59	21.5	450	60	17.0	0.3	0.5	0.6
750	Open	750	53	23.4	645	56	17.4	574	58	13.9	0.4	0.5	0.6
1000	210	640	56	27.5	543	59	19.9	479	60	15.5	0.4	0.5	0.7
1000	Open	864	53	21.2	742	56	15.7	660	58	12.4	0.4	0.6	0.7
1250	184	670	57	26.9	565	59	19.3	498	61	15.0	0.4	0.6	0.7
1250	Open	964	54	20.3	825	57	15.0	732	59	11.9	0.4	0.6	0.8
						65°C - Copper Conductor - Concentric Strand							
1500	Open	1058	55	19.2	901	58	13.9	797	59	11.0	0.5	0.7	0.9
1750	Open	1131	55	18.6	960	58	13.4	848	60	10.6	0.5	0.7	1.0
2000	Open	1192	56	18.0	1011	58	13.1	892	60	10.3	0.5	0.8	1.0
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	654	57	27.0	553	59	19.4	487	61	15.0	0.4	0.6	0.7
1000	Open	898	54	20.6	769	57	15.2	683	59	12.0	0.4	0.6	0.8
1250	173	687	57	26.3	578	60	18.7	509	61	14.7	0.4	0.6	0.8
1250	Open	1016	54	19.8	867	57	14.5	768	59	11.5	0.5	0.7	0.8
1500	Open	1121	55	19.2	954	58	13.9	844	59	11.0	0.5	0.7	0.9
1750	Open	1215	55	18.6	1032	58	13.4	912	60	10.6	0.5	0.7	1.0

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	310	39	23.0	275	41	18.0	250	43	15.0	0.2	0.3	0.4
250	390	338	39	23.4	299	42	18.3	271	43	15.1	0.3	0.4	0.4
350	354	399	40	23.8	351	43	18.4	316	44	15.1	0.3	0.4	0.5
500	299	463	41	24.3	404	43	18.3	362	45	14.8	0.3	0.4	0.5
750	247	534	43	24.4	460	45	18.2	410	46	14.6	0.3	0.5	0.6
750	Open	682	41	18.6	597	43	14.3	537	44	11.7	0.4	0.5	0.6
1000	210	567	43	22.7	488	45	16.8	434	46	13.4	0.4	0.5	0.7
1000	Open	787	41	16.8	688	43	13.0	618	44	10.5	0.4	0.6	0.7
1250	184	594	44	22.3	508	45	16.4	451	46	13.1	0.4	0.6	0.7
1250	Open	881	41	16.4	767	43	12.5	688	45	10.2	0.4	0.6	0.8
						50°C - Copper Conductor - Concentric Strand							
1500	Open	972	42	15.5	841	44	11.7	751	45	9.4	0.5	0.7	0.9
1750	Open	1040	42	15.2	897	44	11.4	801	45	9.1	0.5	0.7	1.0
2000	Open	1098	43	14.8	946	44	11.0	842	46	8.8	0.5	0.8	1.0
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	581	43	22.2	498	45	16.4	443	46	13.0	0.4	0.6	0.7
1000	Open	823	41	16.6	717	43	12.6	643	45	10.2	0.4	0.6	0.8
1250	173	611	44	21.9	521	46	16.1	462	47	12.6	0.4	0.6	0.8
1250	Open	934	42	16.0	811	44	12.1	726	45	9.8	0.5	0.7	0.8
1500	Open	1034	42	15.5	895	44	11.7	799	45	9.4	0.5	0.7	0.9
1750	Open	1124	42	15.2	970	44	11.4	865	45	9.1	0.5	0.7	1.0

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1856

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	279	41	18.7	243	43	14.3	218	44	11.3	0.2	0.3	0.4
250	390	304	41	18.9	263	43	14.1	236	45	11.6	0.3	0.4	0.4
350	354	356	42	19.0	306	44	14.3	273	46	11.3	0.3	0.4	0.5
500	299	411	44	19.2	351	45	14.0	311	46	11.1	0.3	0.4	0.5
750	247	470	45	18.9	399	46	13.6	351	47	10.8	0.3	0.5	0.6
750	Open	606	43	14.6	520	44	11.0	463	46	8.6	0.4	0.5	0.6
1000	210	498	45	17.4	421	46	12.6	371	47	9.9	0.4	0.5	0.7
1000	Open	696	43	13.2	597	45	9.9	530	46	7.8	0.4	0.6	0.7
1250	184	518	45	17.2	436	47	12.1	384	47	9.6	0.4	0.6	0.7
1250	Open	776	43	12.7	663	45	9.4	588	46	7.4	0.4	0.6	0.8
						50°C - Copper Conductor - Concentric Strand							
1500	Open	849	44	12.0	722	46	8.7	638	47	6.8	0.5	0.7	0.9
1750	Open	906	44	11.6	769	46	8.4	678	47	6.6	0.5	0.7	1.0
2000	Open	955	44	11.4	808	46	8.2	711	47	6.3	0.5	0.8	1.0
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	508	45	17.0	429	46	12.2	377	47	9.6	0.4	0.6	0.7
1000	Open	726	43	13.0	621	45	9.6	550	46	7.6	0.4	0.6	0.8
1250	173	531	45	16.7	446	47	11.9	392	48	9.3	0.4	0.6	0.8
1250	Open	820	43	12.4	699	45	9.1	618	46	7.2	0.5	0.7	0.8
1500	Open	904	44	12.0	769	46	8.7	679	47	6.8	0.5	0.7	0.9
1750	Open	980	44	11.6	831	46	8.4	733	47	6.6	0.5	0.7	1.0

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Copper Conductor - Compact Round Strand							
4/0	410	449	63	51.4	396	69	40.0	359	73	32.7	0.3	0.4	0.5
250	390	490	64	51.4	431	70	39.8	389	74	32.4	0.3	0.4	0.5
350	354	579	67	51.7	506	72	39.2	455	76	31.8	0.3	0.5	0.6
500	299	678	69	51.5	587	75	38.6	525	78	31.0	0.4	0.5	0.7
750	247	791	73	50.9	679	77	37.5	604	80	29.9	0.4	0.6	0.8
750	Open	974	68	42.5	846	73	32.0	758	77	25.8	0.4	0.6	0.8
1000	210	852	74	47.2	729	78	34.6	649	81	27.5	0.5	0.7	0.9
1000	Open	1125	69	38.4	976	74	29.0	874	77	23.3	0.5	0.7	0.9
1250	184	899	75	46.5	767	79	34.0	677	82	26.6	0.5	0.7	1.0
1250	Open	1262	70	37.1	1090	75	27.7	974	78	22.3	0.5	0.8	1.0
						90°C - Copper Conductor - Concentric Strand							
1500	Open	1391	72	34.9	1197	76	26.0	1065	79	20.6	0.6	0.9	1.1
1750	Open	1490	72	34.0	1278	77	25.2	1137	80	19.9	0.6	0.9	1.2
2000	Open	1578	73	33.1	1351	78	24.3	1200	80	19.2	0.7	1.0	1.2
						90°C - Copper Conductor - Compact Segmental Strand							
1000	198	871	75	46.1	743	79	33.8	660	81	26.8	0.5	0.7	0.9
1000	Open	1168	69	37.6	1010	75	28.2	903	78	22.6	0.5	0.7	1.0
1250	173	923	76	45.6	783	80	32.8	692	82	25.8	0.6	0.8	1.0
1250	Open	1323	71	36.2	1141	76	26.9	1018	79	21.5	0.6	0.8	1.0
1500	Open	1463	72	34.9	1259	76	26.0	1121	79	20.6	0.6	0.9	1.1
1750	Open	1590	72	34.0	1365	77	25.2	1213	80	19.9	0.6	0.9	1.2

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1858

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						90°C - Copper Conductor - Compact Round Strand							
4/0	410	400	68	40.7	347	74	30.7	310	77	24.4	0.3	0.4	0.5
250	390	435	70	40.4	376	75	30.2	336	78	24.1	0.3	0.4	0.5
350	354	511	72	40.1	438	77	29.7	389	79	23.5	0.3	0.5	0.6
500	299	593	74	39.4	505	79	28.6	448	81	22.7	0.4	0.5	0.7
750	247	688	77	38.7	579	81	27.5	509	83	21.3	0.4	0.6	0.8
750	Open	851	73	32.5	726	78	23.7	644	80	18.6	0.4	0.6	0.8
1000	210	735	78	35.0	619	81	25.0	544	83	19.3	0.5	0.7	0.9
1000	Open	980	74	29.2	835	78	21.2	740	81	16.8	0.5	0.7	0.9
1250	184	772	79	34.4	647	82	24.2	567	84	18.7	0.5	0.7	1.0
1250	Open	1094	75	27.9	929	79	20.1	821	81	15.8	0.5	0.8	1.0
						90°C - Copper Conductor - Concentric Strand							
1500	Open	1199	76	26.0	1013	80	18.6	893	82	14.5	0.6	0.9	1.1
1750	Open	1280	77	25.2	1080	81	18.1	951	83	14.1	0.6	0.9	1.2
2000	Open	1352	78	24.3	1139	81	17.3	1001	83	13.6	0.7	1.0	1.2
						90°C - Copper Conductor - Compact Segmental Strand							
1000	198	748	79	34.2	629	82	24.2	552	84	18.8	0.5	0.7	0.9
1000	Open	1013	75	28.4	862	79	20.6	762	81	16.2	0.5	0.7	1.0
1250	173	789	80	33.4	660	83	23.4	578	85	18.0	0.6	0.8	1.0
1250	Open	1144	76	27.1	970	80	19.5	856	82	15.2	0.6	0.8	1.0
1500	Open	1261	76	26.0	1066	80	18.6	940	82	14.5	0.6	0.9	1.1
1750	Open	1366	77	25.2	1153	81	18.1	1015	83	14.1	0.6	0.9	1.2

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						80°C - Copper Conductor - Compact Round Strand							
4/0	410	417	57	43.7	368	62	34.0	333	65	28.0	0.3	0.4	0.5
250	390	455	58	43.7	400	63	33.7	361	66	27.6	0.3	0.4	0.5
350	354	537	60	44.0	468	65	33.6	420	68	27.0	0.3	0.5	0.6
500	299	626	63	44.0	541	67	32.9	484	70	26.4	0.4	0.5	0.7
750	247	726	66	43.5	622	70	32.0	553	72	25.3	0.4	0.6	0.8
750	Open	908	61	35.9	788	66	27.0	706	69	21.8	0.4	0.6	0.8
1000	210	779	66	40.3	666	70	29.6	592	72	23.3	0.5	0.7	0.9
1000	Open	1049	62	32.3	909	66	24.3	814	69	19.7	0.5	0.7	0.9
1250	184	819	68	39.8	696	71	28.7	616	73	22.7	0.5	0.7	1.0
1250	Open	1175	63	31.2	1015	67	23.4	907	70	18.7	0.5	0.8	1.0
						80°C - Copper Conductor - Concentric Strand							
1500	Open	1294	64	29.4	1113	69	22.0	990	71	17.4	0.6	0.9	1.1
1750	Open	1385	65	28.8	1188	69	21.2	1056	71	16.9	0.6	0.9	1.2
2000	Open	1465	66	28.1	1254	70	20.7	1113	72	16.2	0.7	1.0	1.2
						80°C - Copper Conductor - Compact Segmental Strand							
1000	198	795	67	39.6	678	71	28.8	602	73	22.8	0.5	0.7	0.9
1000	Open	1090	63	31.8	942	67	23.8	842	70	19.0	0.5	0.7	1.0
1250	173	841	69	39.0	713	72	28.0	629	74	21.9	0.6	0.8	1.0
1250	Open	1235	64	30.6	1064	68	22.8	949	70	18.2	0.6	0.8	1.0
1500	Open	1365	64	29.6	1174	69	22.0	1044	71	17.4	0.6	0.9	1.1
1750	Open	1483	65	28.8	1272	69	21.2	1130	71	16.9	0.6	0.9	1.2

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1860

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Copper Conductor - Compact Round Strand							
4/0	410	372	62	34.7	322	66	26.0	288	69	20.7	0.3	0.4	0.5
250	390	404	63	34.7	348	67	25.7	311	70	20.5	0.3	0.4	0.5
350	354	473	65	34.2	405	69	25.2	360	71	19.9	0.3	0.5	0.6
500	299	547	67	33.7	466	71	24.5	412	73	19.2	0.4	0.5	0.7
750	247	631	69	33.0	530	72	23.2	466	74	18.2	0.4	0.6	0.8
750	Open	794	66	27.5	677	70	20.1	600	72	15.8	0.4	0.6	0.8
1000	210	671	70	30.0	565	73	21.2	496	75	16.6	0.5	0.7	0.9
1000	Open	913	66	24.6	778	70	18.0	689	72	14.1	0.5	0.7	0.9
1250	184	702	71	29.3	588	74	20.7	516	75	15.8	0.5	0.7	1.0
1250	Open	1019	67	23.6	865	71	17.2	764	73	13.5	0.5	0.8	1.0
						80°C - Copper Conductor - Concentric Strand							
1500	Open	1115	68	22.0	942	72	15.9	830	74	12.4	0.6	0.9	1.1
1750	Open	1189	69	21.4	1004	72	15.2	883	74	11.9	0.6	0.9	1.2
2000	Open	1255	70	20.7	1057	73	14.7	929	74	11.4	0.7	1.0	1.2
						80°C - Copper Conductor - Compact Segmental Strand							
1000	198	683	71	29.2	574	73	20.6	504	75	16.0	0.5	0.7	0.9
1000	Open	946	67	24.0	804	71	17.4	711	73	13.6	0.5	0.7	1.0
1250	173	717	72	28.4	600	74	20.0	526	76	15.4	0.6	0.8	1.0
1250	Open	1068	68	22.8	905	71	16.5	798	73	13.0	0.6	0.8	1.0
1500	Open	1176	68	22.0	994	72	15.9	876	74	12.4	0.6	0.9	1.1
1750	Open	1273	69	21.4	1074	72	15.2	945	74	11.9	0.6	0.9	1.2

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	361	49	32.0	318	52	25.0	288	55	20.3	0.3	0.4	0.5
250	390	393	49	32.1	345	53	24.7	311	55	20.2	0.3	0.4	0.5
350	354	462	51	32.4	402	54	24.7	361	56	19.9	0.3	0.5	0.6
500	299	535	53	32.4	462	56	24.3	412	58	19.4	0.4	0.5	0.7
750	247	616	55	32.3	526	58	23.7	467	59	18.6	0.4	0.6	0.8
750	Open	791	52	26.1	686	55	19.6	614	57	15.8	0.4	0.6	0.8
1000	210	656	55	29.8	559	58	21.6	496	60	17.2	0.5	0.7	0.9
1000	Open	913	52	23.5	790	55	17.8	707	57	14.3	0.5	0.7	0.9
1250	184	687	56	29.3	583	59	21.1	515	60	16.6	0.5	0.7	1.0
1250	Open	1020	53	22.8	881	56	17.0	786	58	13.7	0.5	0.8	1.0
						65°C - Copper Conductor - Concentric Strand							
1500	Open	1122	54	21.4	964	57	15.9	857	58	12.7	0.6	0.9	1.1
1750	Open	1200	54	20.9	1028	57	15.4	914	59	12.3	0.6	0.9	1.2
2000	Open	1267	55	20.3	1083	57	15.0	962	59	11.8	0.7	1.0	1.2
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	670	56	29.2	571	58	21.2	504	60	16.6	0.5	0.7	0.9
1000	Open	950	52	23.0	821	56	17.2	733	58	13.8	0.5	0.7	1.0
1250	173	704	57	28.8	596	59	20.6	526	61	16.1	0.6	0.8	1.0
1250	Open	1076	53	22.3	926	56	16.5	826	58	13.2	0.6	0.8	1.0
1500	Open	1189	54	21.4	1021	57	15.9	908	58	12.7	0.6	0.9	1.1
1750	Open	1290	54	20.9	1105	57	15.4	982	59	12.3	0.6	0.9	1.2

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1862

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Copper Conductor - Compact Round Strand							
4/0	410	322	52	25.4	278	55	19.0	248	57	15.3	0.3	0.4	0.5
250	390	349	53	25.4	301	56	18.9	268	58	15.1	0.3	0.4	0.5
350	354	407	54	25.2	348	57	18.4	309	59	14.6	0.3	0.5	0.6
500	299	467	56	24.8	397	58	18.1	351	60	14.0	0.4	0.5	0.7
750	247	534	58	24.4	448	60	17.2	394	61	13.4	0.4	0.6	0.8
750	Open	691	55	20.1	589	58	14.6	522	59	11.5	0.4	0.6	0.8
1000	210	565	58	22.0	474	60	15.7	416	61	12.2	0.5	0.7	0.9
1000	Open	795	55	18.0	676	58	13.0	598	59	10.3	0.5	0.7	0.9
1250	184	588	59	21.5	492	61	15.0	431	62	11.7	0.5	0.7	1.0
1250	Open	885	56	17.2	751	58	12.5	663	60	9.8	0.5	0.8	1.0
						65°C - Copper Conductor - Concentric Strand							
1500	Open	966	57	16.0	816	59	11.5	719	60	8.9	0.6	0.9	1.1
1750	Open	1031	57	15.4	869	59	11.1	764	61	8.6	0.6	0.9	1.2
2000	Open	1086	57	15.0	913	60	10.7	802	61	8.4	0.7	1.0	1.2
						65°C - Copper Conductor - Compact Segmental Strand							
1000	198	574	58	21.4	482	60	15.2	423	61	11.8	0.5	0.7	0.9
1000	Open	825	56	17.4	700	58	12.6	619	60	10.0	0.5	0.7	1.0
1250	173	606	59	21.3	502	61	14.7	439	62	11.3	0.6	0.8	1.0
1250	Open	930	56	16.7	788	59	12.1	694	60	9.5	0.6	0.8	1.0
1500	Open	1024	57	16.0	865	59	11.5	761	60	8.9	0.6	0.9	1.1
1750	Open	1108	57	15.6	934	59	11.1	821	61	8.6	0.6	0.9	1.2

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp Amps	Interface Flux °C	w/ft²	---- 90 Rho--- Interface Temp Amps	Interface Flux °C	w/ft²	----120 Rho--- Interface Temp Amps	Interface Flux °C	w/ft²	delta Td for .0160 pf & Rho 60	90	120
					75% LF								
					50°C - Copper Conductor - Compact Round Strand								
4/0	410	289	40	20.3	254	42	15.7	230	44	12.7	0.3	0.4	0.5
250	390	314	40	20.5	275	43	15.7	248	44	12.8	0.3	0.4	0.5
350	354	367	41	20.5	319	44	15.4	286	45	12.5	0.3	0.5	0.6
500	299	423	43	20.5	364	45	15.4	324	46	12.1	0.4	0.5	0.7
750	247	482	44	20.3	411	46	14.8	364	47	11.7	0.4	0.6	0.8
750	Open	638	42	16.3	553	44	12.2	495	45	9.8	0.4	0.6	0.8
1000	210	509	44	18.9	434	46	13.6	384	47	10.7	0.5	0.7	0.9
1000	Open	735	42	14.7	636	44	11.1	568	45	8.8	0.5	0.7	0.9
1250	184	531	45	18.6	449	46	13.3	397	47	10.5	0.5	0.7	1.0
1250	Open	820	42	14.3	707	44	10.5	630	46	8.4	0.5	0.8	1.0
					50°C - Copper Conductor - Concentric Strand								
1500	Open	901	43	13.4	772	45	9.9	685	46	7.8	0.6	0.9	1.1
1750	Open	962	43	13.1	822	45	9.6	729	46	7.6	0.6	0.9	1.2
2000	Open	1014	44	12.8	865	45	9.3	765	46	7.4	0.7	1.0	1.2
					50°C - Copper Conductor - Compact Segmental Strand								
1000	198	521	45	18.4	442	46	13.4	390	47	10.4	0.5	0.7	0.9
1000	Open	767	42	14.4	662	44	10.8	590	45	8.6	0.5	0.7	1.0
1250	173	544	45	18.2	459	47	13.0	405	47	10.2	0.6	0.8	1.0
1250	Open	868	43	13.9	746	45	10.4	664	46	8.2	0.6	0.8	1.0
1500	Open	959	43	13.4	821	45	9.9	729	46	7.8	0.6	0.9	1.1
1750	Open	1040	43	13.1	889	45	9.6	787	46	7.6	0.6	0.9	1.2

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1864

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						50°C - Copper Conductor - Compact Round Strand							
4/0	410	258	42	16.0	223	44	12.0	198	45	9.7	0.3	0.4	0.5
250	390	279	43	16.0	240	44	11.9	213	46	9.6	0.3	0.4	0.5
350	354	323	43	16.0	276	45	11.6	244	46	9.2	0.3	0.5	0.6
500	299	369	44	15.6	312	46	11.3	275	47	8.9	0.4	0.5	0.7
750	247	417	46	15.3	350	47	11.0	306	48	8.4	0.4	0.6	0.8
750	Open	558	44	12.4	475	45	9.1	420	46	7.2	0.4	0.6	0.8
1000	210	438	46	14.1	371	47	10.1	322	48	7.6	0.5	0.7	0.9
1000	Open	640	44	11.1	544	46	8.2	480	47	6.5	0.5	0.7	0.9
1250	184	457	46	13.7	383	47	9.8	331	48	7.4	0.5	0.7	1.0
1250	Open	711	44	10.7	603	46	7.8	531	47	6.1	0.5	0.8	1.0
						50°C - Copper Conductor - Concentric Strand							
1500	Open	775	45	9.9	654	46	7.1	574	47	5.6	0.6	0.9	1.1
1750	Open	825	45	9.6	694	47	7.0	609	47	5.5	0.6	0.9	1.2
2000	Open	868	45	9.5	729	47	6.6	638	47	5.2	0.7	1.0	1.2
						50°C - Copper Conductor - Compact Segmental Strand							
1000	198	448	46	13.8	377	47	9.8	326	48	7.4	0.5	0.7	0.9
1000	Open	666	44	11.0	565	46	8.0	498	47	6.2	0.5	0.7	1.0
1250	173	467	47	13.4	386	48	9.3	337	48	7.0	0.6	0.8	1.0
1250	Open	750	45	10.4	634	46	7.4	558	47	5.9	0.6	0.8	1.0
1500	Open	825	45	9.9	696	46	7.1	611	47	5.6	0.6	0.9	1.1
1750	Open	893	45	9.8	751	47	7.0	658	47	5.5	0.6	0.9	1.2

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Conduit in Air - Triplexed

40°C Air Ambient

Condr Size	Sheath Res	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s	delta Td for .0160 pf No Sun 0 Ft/s	delta Td for .0160 pf No Sun 2 Ft/s
		90°C - Copper Conductor - Compact Round Strand					
4/0	410	258	267	186	210	0.6	0.6
250	390	284	294	204	231	0.7	0.6
350	354	344	357	247	280	0.7	0.7
500	299	419	436	301	342	0.8	0.7
750	247	536	555	381	429	0.8	0.7
1000	210	617	640	439	495	0.9	0.8

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1866

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Free Air - Triplexed

40°C Air Ambient

Condr Size	Sheath Res	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s	delta Td for .0160 pf No Sun 0 Ft/s	delta Td for .0160 pf No Sun 2 Ft/s
		90°C - Copper Conductor - Compact Round Strand					
4/0	410	304	362	243	317	0.4	0.3
250	390	337	401	269	349	0.5	0.3
350	354	414	491	329	426	0.5	0.3
500	299	514	607	406	524	0.5	0.4
750	247	653	766	512	656	0.5	0.4
1000	210	765	894	597	761	0.6	0.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Unventilated Riser - Triplexed

40°C Air Ambient

Condr Size	Sheath Res	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s	delta Td for .0160 pf No Sun 0 Ft/s	delta Td for .0160 pf No Sun 2 Ft/s
		90°C - Copper Conductor - Compact Round Strand					
4/0	410	258	278	219	245	0.6	0.5
250	390	283	306	241	270	0.7	0.6
350	354	340	369	289	327	0.7	0.6
500	299	409	446	349	399	0.8	0.7
750	247	524	566	447	505	0.8	0.7
1000	210	589	638	502	570	0.9	0.7

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1868

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	90	120
		90°C - Aluminum Conductor - Compact Round Strand								
4/0	410	249	239	240	226	231	214	0.6	0.7	0.7
250	390	275	263	264	248	255	235	0.6	0.7	0.8
350	354	335	319	321	300	308	283	0.7	0.8	0.9
500	299	412	391	393	365	376	344	0.7	0.8	0.9
750	247	519	490	493	456	470	428	0.8	0.9	1.1
1000	210	607	571	575	529	547	494	0.9	1.0	1.2

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	delta Td for .0160 pf & Rho 90	delta Td for .0160 pf & Rho 120
		90°C - Aluminum Conductor - Compact Round Strand								
4/0	410	222	203	205	182	191	167	0.8	1.0	1.2
250	390	244	222	225	199	209	183	0.9	1.1	1.3
350	354	295	266	271	238	251	217	1.0	1.2	1.5
500	299	358	322	328	288	303	261	1.1	1.4	1.7
750	247	446	399	405	353	374	319	1.2	1.6	1.9
1000	210	517	460	467	404	429	365	1.4	1.8	2.2

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1870

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	90	120
					90°C - Aluminum Conductor - Compact Round Strand					
4/0	410	192	168	170	146	154	130	1.2	1.6	2.1
250	390	210	184	186	158	168	141	1.3	1.7	2.2
350	354	252	218	222	190	200	169	1.5	2.0	2.5
500	299	304	263	267	228	240	202	1.6	2.2	2.8
750	247	375	321	327	274	292	242	1.9	2.6	3.3
1000	210	430	371	373	312	333	275	2.1	2.9	3.7

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	delta Td for .0160 pf & Rho 90	delta Td for .0160 pf & Rho 120
90°C - Aluminum Conductor - Compact Round Strand										
4/0	410	172	147	151	127	136	113	1.6	2.2	2.7
250	390	189	161	165	138	149	123	1.7	2.3	2.9
350	354	225	192	197	163	176	145	1.9	2.6	3.3
500	299	271	230	235	195	210	172	2.2	3.0	3.7
750	247	331	278	286	236	254	208	2.5	3.5	4.4
1000	210	378	317	325	268	289	235	2.8	3.9	5.0

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1872

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable in Underground Duct Bank - 1 Circuit - Three Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	90	120
		90°C - Aluminum Conductor - Compact Round Strand								
4/0	410	286	271	273	254	261	239	0.4	0.5	0.5
250	390	314	298	299	277	286	261	0.4	0.5	0.6
350	354	376	356	357	330	340	309	0.5	0.5	0.6
500	299	450	424	425	391	404	365	0.5	0.6	0.7
750	247	543	509	510	466	483	433	0.6	0.7	0.8
1000	210	609	568	570	518	537	479	0.6	0.7	0.9
1000	Open	744	691	698	633	659	587	0.6	0.8	0.9
1250	184	659	611	614	556	578	513	0.6	0.8	0.9
1250	Open	847	783	792	715	747	662	0.7	0.8	1.0
		90°C - Aluminum Conductor - Concentric Strand								
1500	154	706	652	655	589	613	541	0.7	0.9	1.1
1500	Open	954	877	888	797	833	734	0.7	0.9	1.1
1750	145	741	683	686	616	641	565	0.7	0.9	1.1
1750	Open	1038	953	964	862	903	793	0.8	1.0	1.1
2000	Open	1114	1019	1032	921	966	845	0.8	1.0	1.2
		90°C - Aluminum Conductor - Compact Segmental Strand								
1000	198	622	578	581	526	546	486	0.6	0.8	0.9
1000	Open	764	707	715	647	674	598	0.7	0.8	0.9
1250	173	674	624	627	566	588	521	0.7	0.8	1.0
1250	Open	874	806	815	734	767	678	0.7	0.9	1.0
1500	154	713	659	662	596	620	547	0.7	0.9	1.1
1500	Open	974	896	907	813	851	750	0.7	0.9	1.1
1750	145	751	692	696	624	650	572	0.7	0.9	1.1
1750	Open	1067	980	991	886	928	815	0.8	1.0	1.1
2000	Open	1155	1056	1069	954	1001	876	0.8	1.0	1.2
2250	Open	1230	1123	1137	1013	1061	928	0.8	1.0	1.2
2500	Open	1307	1191	1206	1072	1124	981	0.9	1.1	1.3
2750	Open	1379	1254	1270	1127	1183	1030	0.9	1.1	1.3
3000	Open	1436	1305	1322	1171	1230	1070	0.9	1.2	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Underground Duct Bank - 2 Circuits - Six Cables - 7.5 in Spacing

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF	delta Td for .0160 pf & Rho 60	delta Td for .0160 pf & Rho 90	delta Td for .0160 pf & Rho 120
				90°C - Aluminum Conductor - Compact Round Strand						
4/0	410	262	240	243	216	227	198	0.6	0.7	0.8
250	390	288	262	265	235	247	215	0.6	0.7	0.9
350	354	344	312	316	279	293	254	0.6	0.8	1.0
500	299	412	371	376	330	348	299	0.7	0.9	1.1
750	247	499	446	452	394	416	356	0.8	1.0	1.3
1000	210	564	500	508	441	465	399	0.9	1.2	1.4
1000	Open	661	589	597	519	549	472	0.9	1.2	1.4
1250	184	613	541	550	476	502	429	1.0	1.2	1.5
1250	Open	748	663	673	582	617	525	1.0	1.3	1.5
				90°C - Aluminum Conductor - Concentric Strand						
1500	154	660	578	588	507	534	451	1.1	1.4	1.8
1500	Open	836	736	748	642	682	578	1.1	1.4	1.8
1750	145	696	608	618	532	561	472	1.1	1.5	1.9
1750	Open	905	795	808	693	736	621	1.1	1.5	1.9
2000	Open	968	849	862	738	784	661	1.2	1.6	2.0
				90°C - Aluminum Conductor - Compact Segmental Strand						
1000	198	575	508	516	447	472	404	0.9	1.2	1.5
1000	Open	676	600	609	527	559	476	0.9	1.2	1.5
1250	173	627	552	560	484	511	436	1.0	1.3	1.6
1250	Open	769	680	690	595	631	536	1.0	1.3	1.6
1500	154	668	586	595	514	541	456	1.1	1.4	1.8
1500	Open	853	752	764	656	697	590	1.1	1.4	1.8
1750	145	707	618	628	541	570	479	1.1	1.5	1.9
1750	Open	931	818	831	713	756	639	1.1	1.5	1.9
2000	Open	1003	879	894	764	812	685	1.2	1.6	2.0
2250	Open	1066	934	947	814	859	723	1.2	1.7	2.1
2500	Open	1130	988	1002	860	907	762	1.3	1.7	2.2
2750	Open	1189	1038	1053	903	953	799	1.3	1.8	2.2
3000	Open	1237	1076	1096	929	989	836	1.4	1.8	2.3

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1874

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	343	65	79.2	302	70	61.6	273	74	50.4	0.3	0.4	0.6
250	390	378	66	78.7	332	71	60.9	300	75	49.8	0.3	0.5	0.6
350	354	460	67	77.5	402	73	59.5	363	76	48.3	0.4	0.5	0.7
500	299	565	69	75.5	492	74	57.3	442	77	46.4	0.4	0.6	0.7
750	247	711	71	72.7	615	76	54.7	551	79	44.0	0.5	0.7	0.8
1000	210	824	71	67.2	713	76	50.5	638	79	40.5	0.5	0.7	0.9
1250	184	924	72	65.7	797	77	49.1	712	80	39.3	0.5	0.8	1.0
						90°C - Aluminum Conductor - Concentric Strand							
1500	154	1020	74	63.2	877	78	46.8	781	81	37.2	0.6	0.9	1.1
1750	145	1094	75	62.1	938	79	45.8	835	81	36.4	0.6	0.9	1.2
2000	132	1154	75	61.1	988	79	44.9	879	82	35.7	0.7	1.0	1.2
						90°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	845	72	66.1	730	77	49.5	652	79	39.7	0.5	0.8	1.0
1250	173	951	73	64.5	819	77	48.0	731	80	38.3	0.6	0.8	1.1
1500	154	1043	74	63.2	896	78	46.8	799	81	37.3	0.6	0.9	1.1
1750	145	1126	75	62.2	966	79	45.9	860	81	36.5	0.6	0.9	1.2
2000	132	1197	75	61.3	1024	79	45.0	911	82	35.7	0.7	1.0	1.2
2250	126	1257	76	60.5	1074	80	44.3	954	82	35.1	0.7	1.0	1.3
2500	116	1310	77	59.7	1118	80	43.6	993	82	34.5	0.7	1.0	1.3
2750	111	1362	77	59.1	1161	81	43.1	1030	83	34.0	0.7	1.1	1.4
3000	103	1385	77	56.6	1182	80	41.4	1050	82	32.7	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp	Flux		---- 90 Rho--- Interface Temp	Flux		----120 Rho--- Interface Temp	Flux		delta Td for .0160 pf & Rho 60	90	120
		Amps	°C	w/ft²	Amps	°C	w/ft²	Amps	°C	w/ft²			
					100% LF								
					90°C - Aluminum Conductor - Compact Round Strand								
4/0	410	315	69	66.8	272	74	50.0	243	77	39.9	0.3	0.4	0.6
250	390	347	69	66.1	299	75	49.4	267	78	39.2	0.3	0.5	0.6
350	354	419	71	64.4	360	76	47.7	320	79	37.8	0.4	0.5	0.7
500	299	512	73	62.0	437	77	45.4	388	80	35.9	0.4	0.6	0.7
750	247	639	75	58.9	543	79	42.6	480	81	33.4	0.5	0.7	0.8
1000	210	737	75	53.8	625	79	38.9	553	82	30.4	0.5	0.7	0.9
1250	184	821	76	52.1	695	80	37.4	613	82	29.3	0.5	0.8	1.0
					90°C - Aluminum Conductor - Concentric Strand								
1500	154	900	77	49.3	759	81	35.1	667	83	27.3	0.6	0.9	1.1
1750	145	961	78	48.1	809	82	34.2	710	84	26.5	0.6	0.9	1.2
2000	132	1011	79	47.0	848	82	33.3	745	84	25.7	0.7	1.0	1.2
					90°C - Aluminum Conductor - Compact Segmental Strand								
1000	198	753	76	52.6	638	80	37.9	563	82	29.6	0.5	0.8	1.0
1250	173	843	77	50.8	712	81	36.4	627	83	28.4	0.6	0.8	1.1
1500	154	921	78	49.3	776	81	35.1	682	83	27.3	0.6	0.9	1.1
1750	145	990	78	48.2	832	82	34.2	731	84	26.5	0.6	0.9	1.2
2000	132	1047	79	47.1	879	82	33.3	771	84	25.7	0.7	1.0	1.2
2250	126	1097	79	46.1	919	83	32.6	806	84	25.2	0.7	1.0	1.3
2500	116	1140	80	45.3	954	83	31.8	835	85	24.6	0.7	1.0	1.3
2750	111	1181	80	44.6	987	83	31.3	864	85	24.1	0.7	1.1	1.4
3000	103	1199	80	42.5	1003	83	30.0	879	85	23.1	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	320	59	67.1	282	63	52.1	255	66	42.7	0.3	0.4	0.6
250	390	353	59	66.7	310	64	51.6	280	67	42.1	0.3	0.5	0.6
350	354	430	61	65.7	376	65	50.3	338	68	40.8	0.4	0.5	0.7
500	299	527	62	63.9	459	66	48.6	412	69	39.3	0.4	0.6	0.7
750	247	663	64	61.6	574	68	46.2	513	70	37.2	0.5	0.7	0.8
1000	210	768	64	57.0	664	68	42.7	594	71	34.3	0.5	0.7	0.9
1250	184	859	65	55.6	741	69	41.5	662	71	33.2	0.5	0.8	1.0
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	948	66	53.6	814	70	39.6	725	72	31.5	0.6	0.9	1.1
1750	145	1015	67	52.6	870	71	38.8	774	73	30.8	0.6	0.9	1.2
2000	132	1069	68	51.8	915	71	38.1	813	73	30.2	0.7	1.0	1.2
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	787	65	56.0	680	69	41.8	607	71	33.5	0.5	0.8	1.0
1250	173	886	66	54.7	762	69	40.7	680	72	32.5	0.6	0.8	1.1
1500	154	970	67	53.6	833	70	39.6	742	72	31.5	0.6	0.9	1.1
1750	145	1046	67	52.7	897	71	38.8	798	73	30.9	0.6	0.9	1.2
2000	132	1110	68	52.0	950	71	38.2	844	73	30.2	0.7	1.0	1.2
2250	126	1165	68	51.3	995	72	37.5	884	73	29.7	0.7	1.0	1.3
2500	116	1214	69	50.6	1035	72	37.0	918	74	29.2	0.7	1.0	1.3
2750	111	1261	69	50.1	1073	72	36.5	952	74	28.8	0.7	1.1	1.4
3000	103	1280	69	47.9	1092	72	35.0	969	74	27.7	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	294	62	56.5	254	67	42.5	227	69	33.8	0.3	0.4	0.6
250	390	324	63	56.0	279	67	41.7	249	70	33.2	0.3	0.5	0.6
350	354	391	64	54.7	336	68	40.2	299	71	32.0	0.4	0.5	0.7
500	299	478	65	52.5	408	69	38.4	362	72	30.3	0.4	0.6	0.7
750	247	595	67	49.9	506	71	36.1	447	73	28.3	0.5	0.7	0.8
1000	210	686	67	45.6	582	71	32.9	514	73	25.8	0.5	0.7	0.9
1250	184	764	68	44.2	646	72	31.7	570	73	24.7	0.5	0.8	1.0
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	836	69	41.7	704	73	29.8	619	74	23.2	0.6	0.9	1.1
1750	145	892	70	40.8	750	73	28.9	658	75	22.4	0.6	0.9	1.2
2000	132	936	71	39.8	786	73	28.2	689	75	21.8	0.7	1.0	1.2
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	701	68	44.6	594	71	32.1	524	73	25.1	0.5	0.8	1.0
1250	173	785	69	43.0	663	72	30.9	583	74	24.0	0.6	0.8	1.1
1500	154	856	70	41.8	721	73	29.8	634	74	23.2	0.6	0.9	1.1
1750	145	919	70	40.8	773	73	29.0	678	75	22.4	0.6	0.9	1.2
2000	132	972	71	39.8	815	73	28.2	715	75	21.9	0.7	1.0	1.2
2250	126	1017	71	39.2	852	74	27.6	746	75	21.3	0.7	1.0	1.3
2500	116	1055	72	38.3	882	74	27.0	773	76	20.8	0.7	1.0	1.3
2750	111	1093	72	37.7	913	74	26.5	799	76	20.4	0.7	1.1	1.4
3000	103	1108	72	36.1	926	74	25.3	811	76	19.6	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						65°C - Aluminum Conductor - Compact Round Strand							
4/0	410	280	50	48.8	246	53	37.8	223	55	31.1	0.3	0.4	0.6
250	390	309	50	48.5	271	53	37.4	244	56	30.5	0.3	0.5	0.6
350	354	375	51	47.7	328	54	36.5	295	56	29.8	0.4	0.5	0.7
500	299	460	52	46.6	400	55	35.4	359	57	28.6	0.4	0.6	0.7
750	247	577	53	44.9	499	56	33.7	446	58	27.0	0.5	0.7	0.8
1000	210	667	54	41.4	576	56	31.1	515	58	25.0	0.5	0.7	0.9
1250	184	745	54	40.6	642	57	30.3	572	59	24.1	0.5	0.8	1.0
						65°C - Aluminum Conductor - Concentric Strand							
1500	154	819	55	39.0	703	58	28.8	626	59	22.9	0.6	0.9	1.1
1750	145	876	56	38.3	750	58	28.2	666	60	22.4	0.6	0.9	1.2
2000	132	921	56	37.8	787	59	27.6	699	60	22.0	0.7	1.0	1.2
						65°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	684	54	40.8	590	57	30.5	527	59	24.4	0.5	0.8	1.0
1250	173	769	55	39.9	661	57	29.6	589	59	23.6	0.6	0.8	1.1
1500	154	841	55	39.1	721	58	28.9	641	59	22.9	0.6	0.9	1.1
1750	145	905	56	38.4	774	58	28.3	688	60	22.4	0.6	0.9	1.2
2000	132	959	56	37.9	819	59	27.7	727	60	22.0	0.7	1.0	1.2
2250	126	1005	57	37.3	857	59	27.3	760	60	21.6	0.7	1.0	1.3
2500	116	1045	57	36.9	889	59	26.9	788	60	21.2	0.7	1.0	1.3
2750	111	1083	57	36.5	921	59	26.5	816	61	21.0	0.7	1.1	1.4
3000	103	1098	57	34.9	935	59	25.5	829	60	20.1	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Aluminum Conductor - Compact Round Strand							
4/0	410	257	52	41.2	222	55	30.9	198	57	24.6	0.3	0.4	0.6
250	390	283	52	40.7	244	56	30.3	217	58	24.3	0.3	0.5	0.6
350	354	342	53	39.7	293	56	29.4	260	58	23.2	0.4	0.5	0.7
500	299	416	54	38.2	355	57	28.0	315	59	22.1	0.4	0.6	0.7
750	247	518	56	36.3	440	58	26.4	389	60	20.6	0.5	0.7	0.8
1000	210	596	56	33.2	505	58	23.9	446	60	18.8	0.5	0.7	0.9
1250	184	662	57	32.1	560	59	23.1	493	60	18.0	0.5	0.8	1.0
						65°C - Aluminum Conductor - Concentric Strand							
1500	154	723	57	30.4	608	60	21.6	534	61	16.8	0.6	0.9	1.1
1750	145	769	58	29.7	646	60	21.1	567	61	16.4	0.6	0.9	1.2
2000	132	806	58	29.0	675	60	20.6	592	61	15.9	0.7	1.0	1.2
						65°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	610	56	32.5	516	59	23.4	455	60	18.3	0.5	0.8	1.0
1250	173	681	57	31.3	574	59	22.4	505	61	17.5	0.6	0.8	1.1
1500	154	741	57	30.4	623	60	21.7	548	61	16.8	0.6	0.9	1.1
1750	145	795	58	29.7	667	60	21.1	585	61	16.4	0.6	0.9	1.2
2000	132	839	58	29.1	703	60	20.6	616	61	15.9	0.7	1.0	1.2
2250	126	876	59	28.6	733	61	20.2	641	62	15.6	0.7	1.0	1.3
2500	116	908	59	28.0	758	61	19.6	663	62	15.1	0.7	1.0	1.3
2750	111	939	59	27.5	783	61	19.4	684	62	14.8	0.7	1.1	1.4
3000	103	950	59	26.3	793	61	18.5	693	62	14.3	0.8	1.1	1.4

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1880

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						50°C - Aluminum Conductor - Compact Round Strand							
4/0	410	226	40	30.5	199	43	23.5	180	44	19.3	0.3	0.4	0.6
250	390	250	41	30.3	219	43	23.5	197	44	19.0	0.3	0.5	0.6
350	354	303	41	29.9	265	43	22.8	238	45	18.5	0.4	0.5	0.7
500	299	371	42	29.1	323	44	22.1	289	45	17.8	0.4	0.6	0.7
750	247	465	43	28.0	401	45	21.1	358	46	16.9	0.5	0.7	0.8
1000	210	536	43	25.9	462	45	19.4	413	46	15.6	0.5	0.7	0.9
1250	184	597	43	25.3	513	45	18.8	457	46	15.0	0.5	0.8	1.0
						50°C - Aluminum Conductor - Concentric Strand							
1500	154	655	44	24.4	561	46	18.0	498	47	14.3	0.6	0.9	1.1
1750	145	699	44	24.0	597	46	17.6	529	47	14.0	0.6	0.9	1.2
2000	132	733	45	23.6	625	46	17.3	553	47	13.6	0.7	1.0	1.2
						50°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	551	43	25.6	474	45	19.0	422	46	15.2	0.5	0.8	1.0
1250	173	617	44	24.9	529	45	18.5	471	46	14.7	0.6	0.8	1.1
1500	154	674	44	24.4	576	46	18.0	512	47	14.3	0.6	0.9	1.1
1750	145	724	44	24.0	618	46	17.6	548	47	14.0	0.6	0.9	1.2
2000	132	765	45	23.7	652	46	17.3	577	47	13.7	0.7	1.0	1.2
2250	126	801	45	23.4	681	46	17.0	602	47	13.5	0.7	1.0	1.3
2500	116	831	45	23.1	705	47	16.8	623	47	13.2	0.7	1.0	1.3
2750	111	860	45	22.8	729	47	16.5	644	47	13.1	0.7	1.1	1.4
3000	103	870	45	21.8	738	47	15.9	652	47	12.5	0.8	1.1	1.4

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						50°C - Aluminum Conductor - Compact Round Strand							
4/0	410	208	42	25.9	179	44	19.3	160	45	15.3	0.3	0.4	0.6
250	390	229	42	25.5	197	44	19.0	175	45	15.2	0.3	0.5	0.6
350	354	276	43	24.9	237	45	18.3	210	46	14.6	0.4	0.5	0.7
500	299	336	43	24.0	287	45	17.5	254	46	13.8	0.4	0.6	0.7
750	247	418	44	22.7	354	46	16.4	312	47	13.0	0.5	0.7	0.8
1000	210	479	44	20.8	405	46	15.1	357	47	11.8	0.5	0.7	0.9
1250	184	531	45	20.2	448	46	14.5	394	47	11.3	0.5	0.8	1.0
						50°C - Aluminum Conductor - Concentric Strand							
1500	154	578	45	19.1	485	47	13.6	425	48	10.5	0.6	0.9	1.1
1750	145	614	46	18.6	514	47	13.3	450	48	10.2	0.6	0.9	1.2
2000	132	641	46	18.2	536	47	12.8	468	48	9.9	0.7	1.0	1.2
						50°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	490	45	20.3	414	46	14.6	364	47	11.5	0.5	0.8	1.0
1250	173	547	45	19.6	460	47	14.0	404	47	11.0	0.6	0.8	1.1
1500	154	594	45	19.1	498	47	13.6	437	48	10.5	0.6	0.9	1.1
1750	145	636	46	18.7	532	47	13.3	466	48	10.2	0.6	0.9	1.2
2000	132	669	46	18.2	559	47	12.9	489	48	9.9	0.7	1.0	1.2
2250	126	698	46	17.9	582	47	12.6	508	48	9.7	0.7	1.0	1.3
2500	116	722	46	17.5	601	47	12.3	524	48	9.4	0.7	1.0	1.3
2750	111	745	47	17.2	619	48	12.1	540	48	9.3	0.7	1.1	1.4
3000	103	752	46	16.4	626	48	11.6	546	48	8.9	0.8	1.1	1.4

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1882

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	306	70	63.1	265	75	47.3	237	78	38.0	0.4	0.6	0.8
250	390	336	71	62.3	290	76	46.5	259	79	37.2	0.5	0.7	0.9
350	354	406	72	60.5	349	77	44.9	311	80	35.7	0.5	0.7	1.0
500	299	495	74	58.0	424	78	42.7	376	81	33.8	0.6	0.8	1.1
750	247	616	76	54.7	524	80	39.9	465	82	31.3	0.7	1.0	1.3
1000	210	709	76	49.9	603	80	36.2	534	82	28.6	0.8	1.1	1.4
1250	184	789	77	48.1	670	81	34.8	592	83	27.3	0.8	1.2	1.5
						90°C - Aluminum Conductor - Concentric Strand							
1500	154	863	79	45.3	729	82	32.5	643	84	25.4	0.9	1.3	1.8
1750	145	920	79	44.2	776	82	31.5	684	84	24.6	1.0	1.4	1.9
2000	132	967	80	43.0	814	83	30.6	716	84	23.9	1.0	1.5	2.0
						90°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	724	77	48.6	615	80	35.2	544	83	27.7	0.8	1.2	1.5
1250	173	809	78	46.9	685	81	33.8	605	83	26.4	0.9	1.3	1.6
1500	154	882	79	45.3	745	82	32.5	657	84	25.4	0.9	1.3	1.8
1750	145	947	79	44.3	799	82	31.6	704	84	24.6	1.0	1.4	1.9
2000	132	1002	80	43.1	843	83	30.7	742	84	23.9	1.0	1.5	2.0
2250	126	1048	80	42.2	881	83	30.0	774	85	23.3	1.1	1.6	2.1
2500	116	1088	81	41.3	913	84	29.3	802	85	22.7	1.1	1.6	2.1
2750	111	1126	81	40.6	945	84	28.7	829	85	22.2	1.2	1.7	2.2
3000	103	1143	81	38.7	959	84	27.4	842	85	21.2	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
100% LF													
90°C - Aluminum Conductor - Compact Round Strand													
4/0	410	271	74	49.6	231	79	35.9	204	81	28.2	0.4	0.6	0.8
250	390	297	75	48.7	252	79	35.2	223	82	27.5	0.5	0.7	0.9
350	354	357	76	46.8	302	80	33.7	266	82	26.2	0.5	0.7	1.0
500	299	432	78	44.4	364	81	31.6	320	83	24.5	0.6	0.8	1.1
750	247	534	79	41.3	447	82	29.1	392	84	22.4	0.7	1.0	1.3
1000	210	612	80	37.3	512	83	26.2	449	84	20.2	0.8	1.1	1.4
1250	184	678	81	35.6	566	83	25.0	495	85	19.2	0.8	1.2	1.5
90°C - Aluminum Conductor - Concentric Strand													
1500	154	735	82	33.1	612	84	23.1	534	86	17.7	0.9	1.3	1.8
1750	145	782	82	32.0	650	85	22.2	567	86	17.0	1.0	1.4	1.9
2000	132	818	83	31.0	679	85	21.5	592	86	16.4	1.0	1.5	2.0
90°C - Aluminum Conductor - Compact Segmental Strand													
1000	198	622	80	36.1	520	83	25.3	455	85	19.5	0.8	1.2	1.5
1250	173	693	81	34.5	578	84	24.1	505	85	18.5	0.9	1.3	1.6
1500	154	752	82	33.1	626	84	23.1	546	86	17.7	0.9	1.3	1.8
1750	145	805	82	32.0	668	85	22.2	583	86	17.0	1.0	1.4	1.9
2000	132	848	83	31.0	703	85	21.5	613	86	16.4	1.0	1.5	2.0
2250	126	884	83	30.2	733	85	20.9	638	86	16.0	1.1	1.6	2.1
2500	116	916	84	29.4	758	86	20.3	659	87	15.5	1.1	1.6	2.1
2750	111	946	84	28.8	782	86	19.8	680	87	15.1	1.2	1.7	2.2
3000	103	959	84	27.4	793	86	18.9	690	87	14.4	1.2	1.7	2.3

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1884

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp	Amps	Flux °C w/ft²	---- 90 Rho--- Interface Temp	Amps	Flux °C w/ft²	----120 Rho--- Interface Temp	Amps	Flux °C w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	286	63	53.4	247	67	39.9	221	70	32.2	0.4	0.6	0.8
250	390	314	64	52.6	271	68	39.4	242	70	31.6	0.5	0.7	0.9
350	354	379	65	51.1	326	69	38.0	290	71	30.1	0.5	0.7	1.0
500	299	461	66	49.1	395	70	36.0	351	72	28.6	0.6	0.8	1.1
750	247	574	68	46.4	489	71	33.7	433	73	26.5	0.7	1.0	1.3
1000	210	660	68	42.2	561	72	30.7	497	73	24.1	0.8	1.1	1.4
1250	184	734	69	40.7	622	72	29.4	550	74	23.0	0.8	1.2	1.5
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	801	70	38.4	676	73	27.5	596	75	21.4	0.9	1.3	1.8
1750	145	853	71	37.4	719	74	26.7	633	75	20.8	1.0	1.4	1.9
2000	132	895	71	36.4	753	74	25.9	662	75	20.2	1.0	1.5	2.0
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	674	69	41.2	572	72	29.8	506	74	23.4	0.8	1.2	1.5
1250	173	753	70	39.6	637	73	28.5	562	74	22.3	0.9	1.3	1.6
1500	154	820	70	38.4	692	73	27.6	610	75	21.5	0.9	1.3	1.8
1750	145	880	71	37.5	741	74	26.7	652	75	20.8	1.0	1.4	1.9
2000	132	929	72	36.5	781	74	25.9	687	75	20.2	1.0	1.5	2.0
2250	126	971	72	35.7	815	74	25.3	716	76	19.7	1.1	1.6	2.1
2500	116	1007	72	34.9	844	75	24.8	741	76	19.2	1.1	1.6	2.1
2750	111	1042	73	34.4	872	75	24.2	765	76	18.8	1.2	1.7	2.2
3000	103	1055	72	32.7	885	75	23.2	776	76	18.0	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	253	67	42.0	215	70	30.5	190	72	24.0	0.4	0.6	0.8
250	390	277	67	41.3	236	71	29.7	208	73	23.3	0.5	0.7	0.9
350	354	333	68	39.7	282	72	28.4	248	74	22.3	0.5	0.7	1.0
500	299	403	70	37.6	339	73	26.7	298	74	20.7	0.6	0.8	1.1
750	247	497	71	34.9	417	74	24.7	365	75	19.1	0.7	1.0	1.3
1000	210	569	71	31.5	477	74	22.2	417	75	17.2	0.8	1.1	1.4
1250	184	630	72	30.1	526	74	21.2	460	76	16.2	0.8	1.2	1.5
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	683	73	28.0	568	75	19.5	495	76	14.9	0.9	1.3	1.8
1750	145	725	73	27.1	602	76	18.8	524	77	14.4	1.0	1.4	1.9
2000	132	758	74	26.2	628	76	18.2	547	77	13.9	1.0	1.5	2.0
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	580	72	30.6	484	74	21.5	424	76	16.5	0.8	1.2	1.5
1250	173	644	72	29.2	537	75	20.3	469	76	15.7	0.9	1.3	1.6
1500	154	699	73	28.0	581	75	19.5	507	76	14.9	0.9	1.3	1.8
1750	145	747	74	27.1	620	76	18.9	540	77	14.4	1.0	1.4	1.9
2000	132	786	74	26.2	651	76	18.2	567	77	13.9	1.0	1.5	2.0
2250	126	819	74	25.6	678	76	17.7	590	77	13.6	1.1	1.6	2.1
2500	116	847	75	24.9	700	76	17.2	609	77	13.1	1.1	1.6	2.1
2750	111	875	75	24.4	722	77	16.8	628	77	12.8	1.2	1.7	2.2
3000	103	885	75	23.2	731	76	16.0	635	77	12.2	1.2	1.7	2.3

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1886

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Amps	Interface Temp °C	Flux w/ft²	---- 90 Rho--- Amps	Interface Temp °C	Flux w/ft²	----120 Rho--- Amps	Interface Temp °C	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						65°C - Aluminum Conductor - Compact Round Strand							
4/0	410	249	53	38.9	216	56	29.2	193	58	23.3	0.4	0.6	0.8
250	390	274	53	38.2	236	56	28.7	211	58	22.9	0.5	0.7	0.9
350	354	331	54	37.2	284	57	27.5	253	59	21.9	0.5	0.7	1.0
500	299	402	55	35.7	344	58	26.2	305	59	20.7	0.6	0.8	1.1
750	247	499	56	33.7	424	59	24.6	375	60	19.3	0.7	1.0	1.3
1000	210	573	57	30.7	487	59	22.3	430	60	17.5	0.8	1.1	1.4
1250	184	635	57	29.7	538	59	21.4	475	61	16.7	0.8	1.2	1.5
						65°C - Aluminum Conductor - Concentric Strand							
1500	154	692	58	27.9	583	60	20.0	513	61	15.6	0.9	1.3	1.8
1750	145	735	59	27.1	619	60	19.4	543	61	15.0	1.0	1.4	1.9
2000	132	769	59	26.4	646	61	18.8	567	62	14.6	1.0	1.5	2.0
						65°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	585	57	30.0	496	59	21.7	438	61	17.0	0.8	1.2	1.5
1250	173	653	58	28.9	551	60	20.7	486	61	16.2	0.9	1.3	1.6
1500	154	709	58	27.9	598	60	20.0	526	61	15.6	0.9	1.3	1.8
1750	145	760	59	27.2	639	60	19.4	561	62	15.1	1.0	1.4	1.9
2000	132	800	59	26.5	672	61	18.9	590	62	14.6	1.0	1.5	2.0
2250	126	835	59	26.0	700	61	18.4	614	62	14.2	1.1	1.6	2.1
2500	116	865	60	25.4	723	61	18.0	634	62	13.9	1.1	1.6	2.1
2750	111	893	60	24.9	747	61	17.6	653	62	13.6	1.2	1.7	2.2
3000	103	903	60	23.8	756	61	16.8	661	62	13.0	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp Amps	Flux °C w/ft²	---- 90 Rho--- Interface Temp Amps	Flux °C w/ft²	----120 Rho--- Interface Temp Amps	Flux °C w/ft²	delta Td for .0160 pf & Rho 60	90	120
100% LF										
65°C - Aluminum Conductor - Compact Round Strand										
4/0	410	221	30.5	188	22.1	166	17.4	0.4	0.6	0.8
250	390	242	29.9	205	21.6	181	17.0	0.5	0.7	0.9
350	354	290	28.8	245	20.8	216	16.1	0.5	0.7	1.0
500	299	351	27.4	295	19.4	259	15.1	0.6	0.8	1.1
750	247	432	25.5	362	17.9	317	13.9	0.7	1.0	1.3
1000	210	494	23.0	413	16.1	361	12.4	0.8	1.1	1.4
1250	184	545	21.9	455	15.4	397	11.8	0.8	1.2	1.5
65°C - Aluminum Conductor - Concentric Strand										
1500	154	589	20.4	489	14.2	426	10.9	0.9	1.3	1.8
1750	145	624	19.7	517	13.7	450	10.5	1.0	1.4	1.9
2000	132	651	19.1	539	13.2	468	10.1	1.0	1.5	2.0
65°C - Aluminum Conductor - Compact Segmental Strand										
1000	198	503	22.3	420	15.6	367	12.1	0.8	1.2	1.5
1250	173	558	21.3	464	14.8	405	11.5	0.9	1.3	1.6
1500	154	604	20.4	502	14.2	437	10.9	0.9	1.3	1.8
1750	145	645	19.7	534	13.7	465	10.5	1.0	1.4	1.9
2000	132	677	19.2	560	13.2	487	10.1	1.0	1.5	2.0
2250	126	705	18.6	582	12.9	506	9.8	1.1	1.6	2.1
2500	116	727	18.2	600	12.5	521	9.5	1.1	1.6	2.1
2750	111	750	17.8	618	12.3	536	9.3	1.2	1.7	2.2
3000	103	757	16.9	624	11.7	541	8.9	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						50°C - Aluminum Conductor - Compact Round Strand							
4/0	410	201	42	24.2	174	44	18.1	155	46	14.5	0.4	0.6	0.8
250	390	221	43	23.9	191	45	17.8	170	46	14.4	0.5	0.7	0.9
350	354	267	43	23.2	229	45	17.2	203	46	13.7	0.5	0.7	1.0
500	299	324	44	22.3	277	46	16.3	245	47	12.9	0.6	0.8	1.1
750	247	402	45	21.1	341	46	15.2	301	47	12.0	0.7	1.0	1.3
1000	210	460	45	19.2	389	46	13.9	343	47	10.8	0.8	1.1	1.4
1250	184	509	45	18.5	429	47	13.3	377	47	10.5	0.8	1.2	1.5
						50°C - Aluminum Conductor - Concentric Strand							
1500	154	552	46	17.5	463	47	12.4	406	48	9.7	0.9	1.3	1.8
1750	145	585	46	17.0	490	47	12.1	429	48	9.4	1.0	1.4	1.9
2000	132	610	46	16.5	510	47	11.7	446	48	9.0	1.0	1.5	2.0
						50°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	470	45	18.8	397	47	13.5	349	47	10.6	0.8	1.2	1.5
1250	173	523	45	18.0	440	47	12.9	387	48	10.1	0.9	1.3	1.6
1500	154	567	46	17.5	476	47	12.4	417	48	9.7	0.9	1.3	1.8
1750	145	606	46	17.0	508	47	12.1	444	48	9.4	1.0	1.4	1.9
2000	132	637	46	16.6	532	47	11.7	465	48	9.0	1.0	1.5	2.0
2250	126	663	47	16.2	554	48	11.5	483	48	8.9	1.1	1.6	2.1
2500	116	685	47	15.9	571	48	11.2	498	48	8.6	1.1	1.6	2.1
2750	111	707	47	15.6	588	48	10.9	512	48	8.4	1.2	1.7	2.2
3000	103	713	47	14.9	593	48	10.4	517	48	8.1	1.2	1.7	2.3

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp	Amps	Flux °C w/ft²	---- 90 Rho--- Interface Temp	Amps	Flux °C w/ft²	----120 Rho--- Interface Temp	Amps	Flux °C w/ft²	delta Td for .0160 pf & Rho 60	90	120
					100% LF								
					50°C - Aluminum Conductor - Compact Round Strand								
4/0	410	179	44	19.1	152	46	13.9	134	47	10.9	0.4	0.6	0.8
250	390	196	44	18.8	166	46	13.6	146	47	10.7	0.5	0.7	0.9
350	354	235	45	18.0	198	46	12.9	174	47	10.1	0.5	0.7	1.0
500	299	283	45	17.2	238	47	12.2	208	48	9.5	0.6	0.8	1.1
750	247	348	46	16.0	290	47	11.3	254	48	8.7	0.7	1.0	1.3
1000	210	396	46	14.4	330	47	10.2	288	48	7.8	0.8	1.1	1.4
1250	184	436	47	13.8	362	48	9.6	316	48	7.4	0.8	1.2	1.5
					50°C - Aluminum Conductor - Concentric Strand								
1500	154	470	47	12.7	389	48	8.9	337	48	6.8	0.9	1.3	1.8
1750	145	496	47	12.3	410	48	8.6	355	49	6.6	1.0	1.4	1.9
2000	132	516	47	11.9	425	48	8.2	368	49	6.4	1.0	1.5	2.0
					50°C - Aluminum Conductor - Compact Segmental Strand								
1000	198	404	46	14.0	336	48	9.8	293	48	7.6	0.8	1.2	1.5
1250	173	447	47	13.3	371	48	9.2	322	48	7.1	0.9	1.3	1.6
1500	154	483	47	12.7	399	48	8.9	347	48	6.8	0.9	1.3	1.8
1750	145	514	47	12.4	424	48	8.6	368	49	6.6	1.0	1.4	1.9
2000	132	538	47	12.0	444	48	8.2	384	49	6.4	1.0	1.5	2.0
2250	126	559	48	11.7	460	48	8.0	398	49	6.1	1.1	1.6	2.1
2500	116	576	48	11.4	473	48	7.8	409	49	6.0	1.1	1.6	2.1
2750	111	593	48	11.1	486	49	7.6	420	49	5.9	1.2	1.7	2.2
3000	103	597	48	10.6	490	48	7.3	423	49	5.5	1.2	1.7	2.3

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1890

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp	60 Rho Flux Amps	60 Rho Flux °C w/ft²	90 Rho Interface Temp	90 Rho Flux Amps	90 Rho Flux °C w/ft²	120 Rho Interface Temp	120 Rho Flux Amps	120 Rho Flux °C w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	378	59	55.7	337	65	44.4	308	69	37.0	0.2	0.3	0.4
250	390	415	60	56.2	370	66	44.3	336	70	36.9	0.3	0.4	0.4
350	354	500	62	56.7	442	69	44.3	400	72	36.2	0.3	0.4	0.5
500	299	603	65	57.2	528	71	44.0	476	75	35.9	0.3	0.4	0.6
750	247	734	69	57.6	637	74	43.5	571	77	34.9	0.3	0.5	0.6
1000	210	814	69	53.7	706	74	40.5	633	78	32.5	0.4	0.5	0.7
1000	Open	955	65	43.9	837	71	33.6	753	75	27.3	0.4	0.6	0.7
1250	184	881	71	53.3	761	76	39.8	680	79	31.8	0.4	0.6	0.7
1250	Open	1083	67	42.6	945	72	32.4	849	76	26.2	0.4	0.6	0.8
						90°C - Aluminum Conductor - Concentric Strand							
1500	154	941	73	51.8	808	77	38.2	719	80	30.3	0.5	0.7	0.8
1500	Open	1214	69	40.4	1053	74	30.5	944	77	24.6	0.5	0.7	0.9
1750	145	988	74	51.2	846	78	37.6	752	81	29.7	0.5	0.7	0.9
1750	Open	1318	69	39.6	1140	75	29.7	1020	78	23.9	0.5	0.7	1.0
2000	Open	1411	70	38.6	1219	75	28.9	1089	78	23.0	0.5	0.8	1.0
						90°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	829	70	52.7	718	75	39.6	642	78	31.8	0.4	0.6	0.7
1000	Open	979	66	43.0	855	72	33.0	768	75	26.6	0.4	0.6	0.8
1250	173	899	71	52.3	774	76	39.0	691	79	31.0	0.4	0.6	0.8
1250	Open	1115	68	41.6	970	73	31.5	871	76	25.4	0.5	0.7	0.8
1500	154	953	73	51.9	817	77	38.3	728	80	30.5	0.5	0.7	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	342	65	45.7	300	70	35.0	270	74	28.4	0.2	0.3	0.4
250	390	375	66	45.9	327	72	35.0	294	75	28.2	0.3	0.4	0.4
350	354	448	68	45.4	389	73	34.2	348	77	27.3	0.3	0.4	0.5
500	299	536	70	45.0	461	76	33.4	410	79	26.4	0.3	0.4	0.6
750	247	644	74	44.5	549	78	32.5	487	81	25.6	0.3	0.5	0.6
1000	210	717	75	41.8	609	79	30.2	538	81	23.7	0.4	0.5	0.7
1000	Open	845	71	34.4	726	76	25.4	646	79	20.1	0.4	0.6	0.7
1250	184	773	76	41.2	655	80	29.7	577	83	23.0	0.4	0.6	0.7
1250	Open	954	72	33.0	817	77	24.2	725	80	19.1	0.4	0.6	0.8
						90°C - Aluminum Conductor - Concentric Strand							
1500	154	820	78	39.4	692	82	28.1	609	84	21.8	0.5	0.7	0.8
1500	Open	1062	74	31.0	905	78	22.5	801	81	17.8	0.5	0.7	0.9
1750	145	858	79	38.6	722	82	27.5	635	84	21.4	0.5	0.7	0.9
1750	Open	1148	74	30.1	976	79	21.9	864	81	17.1	0.5	0.7	1.0
2000	Open	1226	75	29.2	1041	79	21.1	920	82	16.6	0.5	0.8	1.0
						90°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	727	76	40.8	617	80	29.4	545	82	23.0	0.4	0.6	0.7
1000	Open	863	72	33.6	740	77	24.6	657	79	19.6	0.4	0.6	0.8
1250	173	786	77	40.1	665	81	28.8	585	83	22.3	0.4	0.6	0.8
1250	Open	979	73	32.1	836	77	23.6	742	80	18.6	0.5	0.7	0.8
1500	154	830	78	39.4	700	82	28.2	616	84	22.0	0.5	0.7	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	352	54	47.4	314	59	37.7	286	63	31.4	0.2	0.3	0.4
250	390	387	55	47.8	344	60	37.9	313	64	31.5	0.3	0.4	0.4
350	354	465	57	48.4	411	62	37.7	372	65	30.9	0.3	0.4	0.5
500	299	560	59	48.8	490	64	37.5	442	67	30.5	0.3	0.4	0.6
750	247	677	62	49.2	589	67	37.3	527	69	29.9	0.3	0.5	0.6
1000	210	749	62	45.8	649	67	34.6	581	70	27.7	0.4	0.5	0.7
1000	Open	891	59	37.1	781	64	28.5	703	67	23.1	0.4	0.6	0.7
1250	184	808	64	45.7	697	68	34.0	622	70	27.1	0.4	0.6	0.7
1250	Open	1011	60	35.9	882	65	27.5	792	68	22.3	0.4	0.6	0.8
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	861	66	44.1	739	70	32.6	657	72	25.8	0.5	0.7	0.8
1500	Open	1132	62	34.2	982	66	25.8	880	69	20.7	0.5	0.7	0.9
1750	145	902	67	43.7	771	70	32.0	685	72	25.3	0.5	0.7	0.9
1750	Open	1228	63	33.5	1062	67	25.2	950	70	20.2	0.5	0.7	1.0
2000	Open	1315	63	32.6	1135	67	24.4	1014	70	19.6	0.5	0.8	1.0
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	762	63	44.9	660	67	33.8	590	70	27.0	0.4	0.6	0.7
1000	Open	914	60	36.4	798	65	27.8	718	68	22.6	0.4	0.6	0.8
1250	173	824	65	44.7	710	69	33.2	633	71	26.5	0.4	0.6	0.8
1250	Open	1042	61	35.2	906	66	26.7	813	68	21.5	0.5	0.7	0.8
1500	154	872	66	44.4	747	70	32.6	665	72	26.0	0.5	0.7	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	319	59	39.0	279	64	30.0	251	67	24.4	0.2	0.3	0.4
250	390	349	60	38.8	305	64	29.5	273	67	24.1	0.3	0.4	0.4
350	354	417	61	38.9	361	66	29.1	323	69	23.5	0.3	0.4	0.5
500	299	497	64	38.6	427	68	28.6	380	70	22.7	0.3	0.4	0.6
750	247	596	66	38.0	507	70	27.7	449	72	21.8	0.3	0.5	0.6
1000	210	660	67	35.7	560	71	25.8	495	73	20.1	0.4	0.5	0.7
1000	Open	789	64	29.2	678	68	21.6	603	71	17.0	0.4	0.6	0.7
1250	184	708	68	35.2	601	72	25.4	529	74	19.7	0.4	0.6	0.7
1250	Open	890	65	27.9	762	69	20.5	677	71	16.2	0.4	0.6	0.8
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	750	70	33.5	632	73	23.9	557	75	18.6	0.5	0.7	0.8
1500	Open	990	66	26.1	844	70	19.2	747	72	15.0	0.5	0.7	0.9
1750	145	783	70	33.0	659	73	23.4	579	75	18.1	0.5	0.7	0.9
1750	Open	1070	67	25.5	910	70	18.6	804	73	14.6	0.5	0.7	1.0
2000	Open	1142	67	24.8	969	71	17.8	856	73	14.0	0.5	0.8	1.0
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	670	68	34.8	568	71	25.0	501	73	19.6	0.4	0.6	0.7
1000	Open	806	64	28.4	691	69	21.0	614	71	16.6	0.4	0.6	0.8
1250	173	721	69	34.3	610	73	24.7	537	74	19.1	0.4	0.6	0.8
1250	Open	914	65	27.3	781	69	19.8	692	72	15.8	0.5	0.7	0.8
1500	154	759	70	33.6	640	73	24.0	563	75	18.6	0.5	0.7	0.8

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1894

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						65°C - Aluminum Conductor - Compact Round Strand							
4/0	410	306	46	34.7	273	50	27.7	249	53	23.0	0.2	0.3	0.4
250	390	336	47	35.0	299	51	27.6	272	53	22.8	0.3	0.4	0.4
350	354	404	48	35.6	356	52	27.6	322	54	22.6	0.3	0.4	0.5
500	299	484	50	36.1	423	54	27.8	380	56	22.4	0.3	0.4	0.6
750	247	580	52	36.3	504	55	27.5	451	57	22.0	0.3	0.5	0.6
1000	210	637	52	33.8	552	56	25.4	493	58	20.4	0.4	0.5	0.7
1000	Open	777	50	26.9	680	54	20.8	612	56	16.8	0.4	0.6	0.7
1250	184	684	54	33.6	589	57	25.0	525	58	19.9	0.4	0.6	0.7
1250	Open	881	51	26.2	768	54	19.9	689	56	16.2	0.4	0.6	0.8
						65°C - Aluminum Conductor - Concentric Strand							
1500	154	726	55	32.6	622	58	23.9	552	59	19.0	0.5	0.7	0.8
1500	Open	986	52	24.9	854	55	18.8	765	57	15.0	0.5	0.7	0.9
1750	145	759	56	32.1	648	58	23.5	574	60	18.6	0.5	0.7	0.9
1750	Open	1068	52	24.3	923	56	18.2	825	58	14.6	0.5	0.7	1.0
2000	Open	1142	53	23.8	985	56	17.7	879	58	14.2	0.5	0.8	1.0
						65°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	649	53	33.2	560	56	24.8	501	58	19.8	0.4	0.6	0.7
1000	Open	798	51	26.4	696	54	20.2	626	56	16.4	0.4	0.6	0.8
1250	173	698	54	33.0	600	57	24.5	534	59	19.5	0.4	0.6	0.8
1250	Open	909	51	25.6	790	55	19.5	708	57	15.6	0.5	0.7	0.8
1500	154	735	55	32.8	629	58	24.0	559	59	19.0	0.5	0.7	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Aluminum Conductor - Compact Round Strand							
4/0	410	277	50	28.7	242	53	22.0	218	55	17.7	0.2	0.3	0.4
250	390	304	50	28.6	264	54	21.8	237	56	17.7	0.3	0.4	0.4
350	354	361	52	28.5	312	55	21.4	279	57	17.2	0.3	0.4	0.5
500	299	429	53	28.3	368	56	21.0	327	58	16.7	0.3	0.4	0.6
750	247	511	55	28.2	434	58	20.6	384	60	16.0	0.3	0.5	0.6
1000	210	561	56	26.2	477	59	19.1	421	60	14.9	0.4	0.5	0.7
1000	Open	688	53	21.2	591	56	15.7	525	58	12.4	0.4	0.6	0.7
1250	184	600	57	26.0	508	59	18.7	448	61	14.6	0.4	0.6	0.7
1250	Open	776	54	20.3	664	57	15.0	589	59	11.9	0.4	0.6	0.8
						65°C - Aluminum Conductor - Concentric Strand							
1500	154	632	58	24.7	532	60	17.6	468	61	13.6	0.5	0.7	0.8
1500	Open	862	55	19.0	734	58	13.9	649	59	11.0	0.5	0.7	0.9
1750	145	658	58	24.2	553	60	17.2	485	61	13.3	0.5	0.7	0.9
1750	Open	931	55	18.6	791	58	13.4	698	60	10.6	0.5	0.7	1.0
2000	Open	993	56	18.0	842	58	12.9	742	60	10.3	0.5	0.8	1.0
						65°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	570	56	25.8	483	59	18.6	426	60	14.4	0.4	0.6	0.7
1000	Open	704	54	20.6	603	57	15.2	535	59	12.0	0.4	0.6	0.8
1250	173	610	57	25.2	515	60	18.2	454	61	14.1	0.4	0.6	0.8
1250	Open	798	54	19.8	681	57	14.5	603	59	11.5	0.5	0.7	0.8
1500	154	640	58	24.7	538	60	17.6	473	61	13.8	0.5	0.7	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
75% LF													
50°C - Aluminum Conductor - Compact Round Strand													
4/0	410	247	38	22.0	220	41	17.3	200	42	14.3	0.2	0.3	0.4
250	390	271	39	22.1	240	41	17.3	218	43	14.4	0.3	0.4	0.4
350	354	324	40	22.6	285	42	17.5	258	44	14.3	0.3	0.4	0.5
500	299	386	41	22.9	337	43	17.5	303	44	14.3	0.3	0.4	0.6
750	247	459	42	23.2	398	44	17.4	356	45	13.9	0.3	0.5	0.6
1000	210	501	42	21.4	432	44	16.2	386	45	12.8	0.4	0.5	0.7
1000	Open	628	41	16.8	549	43	13.0	493	44	10.5	0.4	0.6	0.7
1250	184	535	43	21.3	459	45	15.8	409	46	12.5	0.4	0.6	0.7
1250	Open	711	41	16.4	619	43	12.5	555	45	10.0	0.4	0.6	0.8
50°C - Aluminum Conductor - Concentric Strand													
1500	154	565	44	20.6	483	46	15.2	428	47	11.8	0.5	0.7	0.8
1500	Open	795	42	15.5	688	44	11.7	614	45	9.4	0.5	0.7	0.9
1750	145	589	44	20.4	501	46	14.7	443	47	11.6	0.5	0.7	0.9
1750	Open	860	42	15.2	742	44	11.4	662	45	9.1	0.5	0.7	1.0
2000	Open	919	42	14.8	791	44	11.0	705	46	8.8	0.5	0.8	1.0
50°C - Aluminum Conductor - Compact Segmental Strand													
1000	198	510	43	21.0	439	45	15.8	391	46	12.6	0.4	0.6	0.7
1000	Open	645	41	16.6	562	43	12.6	504	45	10.2	0.4	0.6	0.8
1250	173	546	43	21.0	468	45	15.4	416	46	12.2	0.4	0.6	0.8
1250	Open	735	42	16.0	638	44	12.1	571	45	9.8	0.5	0.7	0.8
1500	154	572	44	20.7	489	46	15.2	433	47	12.0	0.5	0.7	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						50°C - Aluminum Conductor - Compact Round Strand							
4/0	410	223	40	18.0	195	43	13.7	175	44	11.0	0.2	0.3	0.4
250	390	244	41	18.0	212	43	13.8	190	45	10.9	0.3	0.4	0.4
350	354	290	42	18.1	250	44	13.7	223	45	10.7	0.3	0.4	0.5
500	299	342	43	18.1	293	45	13.2	260	46	10.5	0.3	0.4	0.6
750	247	404	44	17.9	343	46	12.9	303	47	10.3	0.3	0.5	0.6
1000	210	441	44	16.8	374	46	12.2	330	47	9.4	0.4	0.5	0.7
1000	Open	556	43	13.2	477	45	9.9	423	46	7.8	0.4	0.6	0.7
1250	184	468	45	16.4	396	47	11.7	348	47	9.2	0.4	0.6	0.7
1250	Open	626	43	12.7	535	45	9.4	474	46	7.4	0.4	0.6	0.8
						50°C - Aluminum Conductor - Concentric Strand							
1500	154	491	46	15.7	413	47	11.2	362	48	8.5	0.5	0.7	0.8
1500	Open	695	44	12.0	591	46	8.7	522	47	6.8	0.5	0.7	0.9
1750	145	510	46	15.4	427	47	10.8	374	48	8.4	0.5	0.7	0.9
1750	Open	749	44	11.6	636	46	8.4	560	47	6.6	0.5	0.7	1.0
2000	Open	798	44	11.2	676	46	8.2	595	47	6.3	0.5	0.8	1.0
						50°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	447	45	16.4	379	46	11.8	333	47	9.2	0.4	0.6	0.7
1000	Open	569	43	13.0	487	45	9.6	432	46	7.6	0.4	0.6	0.8
1250	173	476	45	16.0	402	47	11.5	353	48	8.9	0.4	0.6	0.8
1250	Open	645	43	12.4	550	45	9.1	486	46	7.2	0.5	0.7	0.8
1500	154	497	46	15.7	418	47	11.2	366	48	8.7	0.5	0.7	0.8

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1898

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						75% LF							
						90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	357	62	50.0	315	68	39.0	286	72	32.0	0.3	0.4	0.5
250	390	391	63	50.1	345	69	38.8	312	73	31.8	0.3	0.4	0.5
350	354	468	66	49.9	409	71	38.3	369	75	31.2	0.3	0.5	0.6
500	299	557	68	49.4	484	74	37.2	434	77	29.9	0.4	0.5	0.7
750	247	668	71	48.5	575	76	36.1	513	79	28.7	0.4	0.6	0.8
1000	210	737	72	44.9	633	77	33.2	564	80	26.4	0.5	0.7	0.9
1000	Open	893	69	38.4	774	74	29.0	693	77	23.3	0.5	0.7	0.9
1250	184	794	74	44.5	678	78	32.6	604	81	25.8	0.5	0.7	1.0
1250	Open	1010	70	36.9	872	75	27.7	780	78	22.3	0.5	0.8	1.0
						90°C - Aluminum Conductor - Concentric Strand							
1500	154	843	76	42.7	718	80	31.0	633	82	24.2	0.6	0.8	1.1
1500	Open	1127	72	34.9	969	76	25.8	863	79	20.6	0.6	0.9	1.1
1750	145	882	77	42.1	746	81	30.1	659	83	23.5	0.6	0.9	1.2
1750	Open	1220	72	34.0	1047	77	25.0	931	80	19.9	0.6	0.9	1.2
2000	Open	1304	73	33.0	1117	78	24.3	992	80	19.2	0.7	1.0	1.2
						90°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	749	73	44.0	642	78	32.4	572	80	25.8	0.5	0.7	0.9
1000	Open	913	69	37.6	790	75	28.2	706	78	22.6	0.5	0.7	1.0
1250	173	808	75	43.4	690	79	31.7	613	81	25.0	0.6	0.8	1.0
1250	Open	1037	71	36.0	894	76	26.9	798	79	21.5	0.6	0.8	1.0
1500	154	853	76	42.9	726	80	31.2	640	82	24.2	0.6	0.8	1.1

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	319	68	40.0	278	73	30.4	248	77	24.4	0.3	0.4	0.5
250	390	348	69	39.8	301	74	29.5	269	77	23.8	0.3	0.4	0.5
350	354	413	71	38.9	355	76	28.8	316	79	22.9	0.3	0.5	0.6
500	299	489	73	38.0	417	78	27.8	370	80	21.9	0.4	0.5	0.7
750	247	581	76	36.8	492	80	26.5	434	82	20.8	0.4	0.6	0.8
1000	210	641	77	34.0	538	81	24.1	477	83	18.9	0.5	0.7	0.9
1000	Open	778	74	29.2	662	78	21.2	587	81	16.8	0.5	0.7	0.9
1250	184	682	78	33.0	574	82	23.4	505	84	18.2	0.5	0.7	1.0
1250	Open	875	75	27.9	744	79	20.1	657	81	15.8	0.5	0.8	1.0
						90°C - Aluminum Conductor - Concentric Strand							
1500	154	719	80	31.2	602	83	22.0	528	85	16.9	0.6	0.8	1.1
1500	Open	971	76	26.0	821	80	18.6	723	82	14.5	0.6	0.9	1.1
1750	145	750	81	30.5	626	83	21.4	549	85	16.4	0.6	0.9	1.2
1750	Open	1048	77	25.2	884	81	17.9	779	83	13.9	0.6	0.9	1.2
2000	Open	1118	78	24.3	941	81	17.3	828	83	13.4	0.7	1.0	1.2
						90°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	650	78	33.2	545	81	23.4	479	83	18.2	0.5	0.7	0.9
1000	Open	792	75	28.4	674	79	20.6	596	81	16.2	0.5	0.7	1.0
1250	173	692	79	31.9	581	82	22.6	510	84	17.4	0.6	0.8	1.0
1250	Open	897	76	27.1	760	80	19.5	671	82	15.2	0.6	0.8	1.0
1500	154	727	80	31.2	609	83	22.0	534	85	16.9	0.6	0.8	1.1

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1900

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp Amps	60 Rho Interface Temp °C	60 Rho Interface Temp Flux w/ft²	90 Rho Interface Temp Amps	90 Rho Interface Temp °C	90 Rho Interface Temp Flux w/ft²	120 Rho Interface Temp Amps	120 Rho Interface Temp °C	120 Rho Interface Temp Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
					75% LF								
					80°C - Aluminum Conductor - Compact Round Strand								
4/0	410	332	56	42.4	294	62	33.0	266	65	27.4	0.3	0.4	0.5
250	390	364	57	42.4	321	63	33.1	290	66	27.0	0.3	0.4	0.5
350	354	434	59	42.5	380	64	32.4	342	67	26.4	0.3	0.5	0.6
500	299	516	62	42.1	448	66	31.8	401	69	25.6	0.4	0.5	0.7
750	247	617	65	41.6	530	69	30.8	472	71	24.4	0.4	0.6	0.8
1000	210	678	65	38.4	581	69	28.3	518	71	22.5	0.5	0.7	0.9
1000	Open	833	62	32.3	722	66	24.3	647	69	19.7	0.5	0.7	0.9
1250	184	727	67	37.9	621	70	27.7	552	72	22.1	0.5	0.7	1.0
1250	Open	942	63	31.2	814	67	23.4	727	70	18.7	0.5	0.8	1.0
					80°C - Aluminum Conductor - Concentric Strand								
1500	154	771	68	36.4	655	72	26.5	577	74	20.6	0.6	0.8	1.1
1500	Open	1050	64	29.4	903	69	22.0	804	71	17.4	0.6	0.9	1.1
1750	145	804	69	35.8	680	72	25.7	604	74	20.4	0.6	0.9	1.2
1750	Open	1137	65	28.7	975	69	21.2	867	71	16.7	0.6	0.9	1.2
2000	Open	1215	66	27.9	1040	70	20.5	923	72	16.2	0.7	1.0	1.2
					80°C - Aluminum Conductor - Compact Segmental Strand								
1000	198	689	66	37.6	590	70	27.6	524	72	22.0	0.5	0.7	0.9
1000	Open	853	63	31.8	737	67	23.8	659	70	19.0	0.5	0.7	1.0
1250	173	740	67	37.1	631	71	27.1	561	73	21.3	0.6	0.8	1.0
1250	Open	969	64	30.4	835	68	22.6	744	70	18.2	0.6	0.8	1.0
1500	154	780	69	36.6	661	72	26.3	584	74	20.6	0.6	0.8	1.1

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Amps	Interface Temp	Flux w/ft²	---- 90 Rho--- Amps	Interface Temp	Flux w/ft²	----120 Rho--- Amps	Interface Temp	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						80°C - Aluminum Conductor - Compact Round Strand							
4/0	410	297	61	34.0	257	66	25.7	231	69	20.7	0.3	0.4	0.5
250	390	324	62	33.7	280	67	25.4	250	69	20.2	0.3	0.4	0.5
350	354	384	64	33.3	330	68	24.7	293	71	19.3	0.3	0.5	0.6
500	299	452	66	32.4	386	70	23.7	342	72	18.6	0.4	0.5	0.7
750	247	536	68	31.3	454	72	22.5	400	74	17.7	0.4	0.6	0.8
1000	210	589	69	29.0	495	72	20.6	435	74	16.0	0.5	0.7	0.9
1000	Open	726	66	24.6	618	70	18.0	547	72	14.1	0.5	0.7	0.9
1250	184	625	70	28.1	525	73	19.9	461	75	15.4	0.5	0.7	1.0
1250	Open	817	67	23.6	694	71	17.2	613	73	13.5	0.5	0.8	1.0
						80°C - Aluminum Conductor - Concentric Strand							
1500	154	657	72	26.5	550	74	18.6	482	76	14.5	0.6	0.8	1.1
1500	Open	905	68	22.0	765	72	15.7	674	74	12.4	0.6	0.9	1.1
1750	145	684	72	26.0	571	75	18.2	499	76	13.9	0.6	0.9	1.2
1750	Open	976	69	21.2	824	72	15.2	725	74	11.8	0.6	0.9	1.2
2000	Open	1041	69	20.7	876	73	14.7	770	74	11.4	0.7	1.0	1.2
						80°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	597	70	28.4	500	73	20.0	439	74	15.4	0.5	0.7	0.9
1000	Open	740	67	24.0	629	71	17.4	556	73	13.6	0.5	0.7	1.0
1250	173	634	71	27.3	532	74	19.3	467	75	14.8	0.6	0.8	1.0
1250	Open	837	68	22.8	710	71	16.5	626	73	12.8	0.6	0.8	1.0
1500	154	664	72	26.7	556	74	18.6	487	76	14.5	0.6	0.8	1.1

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1902

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Interface Temp	60 Rho Flux	60 Rho Amps	90 Rho Interface Temp	90 Rho Flux	90 Rho Amps	120 Rho Interface Temp	120 Rho Flux	120 Rho Amps	delta Td for .0160 pf & Rho 60	90	120
		°C	w/ft²		°C	w/ft²		°C	w/ft²				
75% LF													
65°C - Aluminum Conductor - Compact Round Strand													
4/0	410	289	48	31.0	255	52	24.4	231	54	20.0	0.3	0.4	0.5
250	390	316	49	31.1	278	52	24.1	251	55	19.6	0.3	0.4	0.5
350	354	376	50	31.2	328	54	23.8	295	56	19.3	0.3	0.5	0.6
500	299	445	52	31.0	385	55	23.2	345	57	18.6	0.4	0.5	0.7
750	247	527	54	30.6	453	57	22.7	403	59	17.9	0.4	0.6	0.8
1000	210	576	55	28.3	494	57	20.8	438	59	16.4	0.5	0.7	0.9
1000	Open	727	52	23.5	629	55	17.8	563	57	14.3	0.5	0.7	0.9
1250	184	615	56	27.9	524	58	20.3	464	60	16.0	0.5	0.7	1.0
1250	Open	820	53	22.7	708	56	17.0	632	58	13.7	0.5	0.8	1.0
65°C - Aluminum Conductor - Concentric Strand													
1500	154	648	57	26.8	549	59	19.3	486	60	15.2	0.6	0.8	1.1
1500	Open	914	54	21.4	785	57	15.9	699	58	12.5	0.6	0.9	1.1
1750	145	675	57	26.3	570	60	18.9	502	61	14.7	0.6	0.9	1.2
1750	Open	988	54	20.9	847	57	15.4	752	59	12.3	0.6	0.9	1.2
2000	Open	1055	55	20.3	902	57	15.0	801	59	11.8	0.7	1.0	1.2
65°C - Aluminum Conductor - Compact Segmental Strand													
1000	198	585	55	27.8	500	58	20.4	443	59	16.0	0.5	0.7	0.9
1000	Open	744	52	23.0	643	56	17.2	574	58	13.8	0.5	0.7	1.0
1250	173	626	56	27.3	532	59	19.8	471	60	15.6	0.6	0.8	1.0
1250	Open	845	53	22.1	727	56	16.5	649	58	13.2	0.6	0.8	1.0
1500	154	656	57	26.8	555	59	19.3	492	61	15.2	0.6	0.8	1.1

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	60 Rho Amps	60 Rho Interface Temp °C	60 Rho Flux w/ft²	90 Rho Amps	90 Rho Interface Temp °C	90 Rho Flux w/ft²	120 Rho Amps	120 Rho Interface Temp °C	120 Rho Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
						100% LF							
						65°C - Aluminum Conductor - Compact Round Strand							
4/0	410	258	52	24.7	223	55	18.7	200	57	15.0	0.3	0.4	0.5
250	390	281	52	24.7	243	55	18.6	216	57	14.8	0.3	0.4	0.5
350	354	332	54	24.4	285	57	17.8	253	58	14.3	0.3	0.5	0.6
500	299	389	55	23.7	332	58	17.3	293	59	13.5	0.4	0.5	0.7
750	247	458	57	23.2	387	59	16.5	341	60	12.9	0.4	0.6	0.8
1000	210	499	57	21.4	419	60	15.1	368	61	11.8	0.5	0.7	0.9
1000	Open	633	55	18.0	538	58	13.0	476	59	10.3	0.5	0.7	0.9
1250	184	532	58	20.9	443	60	14.6	389	61	11.3	0.5	0.7	1.0
1250	Open	711	56	17.2	604	58	12.5	533	60	9.8	0.5	0.8	1.0
						65°C - Aluminum Conductor - Concentric Strand							
1500	154	553	59	19.5	462	61	13.8	404	62	10.6	0.6	0.8	1.1
1500	Open	787	57	16.0	665	59	11.5	585	60	8.9	0.6	0.9	1.1
1750	145	574	60	19.0	478	61	13.4	418	62	10.3	0.6	0.9	1.2
1750	Open	849	57	15.4	716	59	11.1	629	61	8.6	0.6	0.9	1.2
2000	Open	904	57	15.0	760	60	10.7	668	61	8.4	0.7	1.0	1.2
						65°C - Aluminum Conductor - Compact Segmental Strand							
1000	198	507	58	20.8	423	60	14.6	372	61	11.4	0.5	0.7	0.9
1000	Open	646	56	17.4	549	58	12.6	484	60	10.0	0.5	0.7	1.0
1250	173	537	59	20.2	449	60	14.1	393	62	10.9	0.6	0.8	1.0
1250	Open	730	56	16.7	619	59	12.1	545	60	9.5	0.6	0.8	1.0
1500	154	559	59	19.7	467	61	13.8	408	62	10.6	0.6	0.8	1.1

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1904

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp Amps °C	Flux w/ft²	---- 90 Rho--- Interface Temp Amps °C	Flux w/ft²	----120 Rho--- Interface Temp Amps °C	Flux w/ft²	delta Td for .0160 pf & Rho 60	90	120
				75% LF						
				50°C - Aluminum Conductor - Compact Round Strand						
4/0	410	232 40	19.7	205 42	15.3	185 43	12.7	0.3	0.4	0.5
250	390	254 40	19.6	223 42	15.1	201 44	12.5	0.3	0.4	0.5
350	354	301 41	19.6	262 43	15.1	236 44	12.2	0.3	0.5	0.6
500	299	354 42	19.7	306 44	14.8	273 45	11.9	0.4	0.5	0.7
750	247	416 43	19.4	356 45	14.3	317 46	11.2	0.4	0.6	0.8
1000	210	452 44	18.0	386 45	13.2	341 46	10.3	0.5	0.7	0.9
1000	Open	587 42	14.7	507 44	11.1	453 45	8.8	0.5	0.7	0.9
1250	184	480 44	17.8	407 46	12.9	360 47	10.2	0.5	0.7	1.0
1250	Open	662 42	14.3	571 44	10.5	508 46	8.4	0.5	0.8	1.0
				50°C - Aluminum Conductor - Concentric Strand						
1500	154	503 45	16.9	425 47	12.2	374 47	9.4	0.6	0.8	1.1
1500	Open	737 43	13.4	631 45	9.9	560 46	7.8	0.6	0.9	1.1
1750	145	522 45	16.6	440 47	11.9	387 48	9.3	0.6	0.9	1.2
1750	Open	796 43	13.1	680 45	9.6	603 46	7.6	0.6	0.9	1.2
2000	Open	848 44	12.6	723 45	9.3	640 46	7.4	0.7	1.0	1.2
				50°C - Aluminum Conductor - Compact Segmental Strand						
1000	198	459 44	17.6	390 46	12.8	345 47	10.0	0.5	0.7	0.9
1000	Open	601 42	14.4	519 44	10.8	462 45	8.6	0.5	0.7	1.0
1250	173	489 45	17.3	414 46	12.4	365 47	9.8	0.6	0.8	1.0
1250	Open	683 43	13.9	587 45	10.4	522 46	8.2	0.6	0.8	1.0
1500	154	509 45	17.1	430 47	12.2	379 47	9.6	0.6	0.8	1.1

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

Condr Size	Sheath Res	---- 60 Rho--- Interface Temp Amps °C	Flux w/ft²		---- 90 Rho--- Interface Temp Amps °C	Flux w/ft²		----120 Rho--- Interface Temp Amps °C	Flux w/ft²		delta Td for .0160 pf & Rho 60	90	120
					100% LF								
					50°C - Aluminum Conductor - Compact Round Strand								
4/0	410	207	42	15.7	179	44	11.7	160	45	9.3	0.3	0.4	0.5
250	390	226	42	15.4	194	44	11.6	173	45	9.3	0.3	0.4	0.5
350	354	265	43	15.4	227	45	11.3	202	46	8.9	0.3	0.5	0.6
500	299	310	44	15.1	263	46	11.1	233	47	8.6	0.4	0.5	0.7
750	247	360	45	14.6	304	47	10.5	267	47	8.1	0.4	0.6	0.8
1000	210	391	45	13.4	331	47	9.7	287	47	7.3	0.5	0.7	0.9
1000	Open	511	44	11.1	434	46	8.2	383	47	6.5	0.5	0.7	0.9
1250	184	411	46	13.1	344	47	9.2	301	48	7.2	0.5	0.7	1.0
1250	Open	574	44	10.7	486	46	7.8	428	47	6.1	0.5	0.8	1.0
					50°C - Aluminum Conductor - Concentric Strand								
1500	154	433	46	12.5	357	48	8.7	312	48	6.6	0.6	0.8	1.1
1500	Open	634	45	9.9	535	46	7.1	470	47	5.6	0.6	0.9	1.1
1750	145	449	47	12.3	369	48	8.4	321	48	6.5	0.6	0.9	1.2
1750	Open	682	45	9.6	574	47	7.0	504	47	5.5	0.6	0.9	1.2
2000	Open	726	45	9.3	609	47	6.6	534	47	5.2	0.7	1.0	1.2
					50°C - Aluminum Conductor - Compact Segmental Strand								
1000	198	396	46	13.2	331	47	9.2	290	48	7.2	0.5	0.7	0.9
1000	Open	522	44	11.0	443	46	8.0	390	47	6.2	0.5	0.7	1.0
1250	173	421	46	12.8	349	47	8.9	305	48	6.9	0.6	0.8	1.0
1250	Open	590	45	10.4	499	46	7.4	439	47	5.9	0.6	0.8	1.0
1500	154	438	47	12.7	361	48	8.7	315	48	6.6	0.6	0.8	1.1

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1906

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable in Conduit in Air - Triplexed

40°C Air Ambient

Condr Size	Sheath Res	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s	delta Td for .0160 pf No Sun 0 Ft/s	delta Td for .0160 pf No Sun 2 Ft/s
90°C - Aluminum Conductor - Compact Round Strand							
4/0	410	202	209	145	164	0.6	0.6
250	390	223	230	160	181	0.7	0.6
350	354	270	280	194	220	0.7	0.7
500	299	331	344	238	270	0.8	0.7
750	247	429	444	305	344	0.8	0.7
1000	210	503	522	358	403	0.9	0.8

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15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Free Air - Triplexed

40°C Air Ambient

Condr Size	Sheath Res	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s	delta Td for .0160 pf No Sun 0 Ft/s	delta Td for .0160 pf No Sun 2 Ft/s
		90°C - Aluminum Conductor - Compact Round Strand					
4/0	410	237	283	190	247	0.4	0.3
250	390	263	314	210	273	0.5	0.3
350	354	325	385	258	334	0.5	0.3
500	299	406	479	321	413	0.5	0.4
750	247	522	613	410	525	0.5	0.4
1000	210	623	728	486	619	0.6	0.4

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1908

15 kV Shielded Single Conductor Solid Type Paper Lead Sheathed Power Cable

in Unventilated Riser - Triplexed

40°C Air Ambient

Condr Size	Sheath Res	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s	delta Td for .0160 pf No Sun 0 Ft/s	delta Td for .0160 pf No Sun 2 Ft/s
		90°C - Aluminum Conductor - Compact Round Strand					
4/0	410	202	218	172	191	0.6	0.5
250	390	222	240	189	211	0.7	0.6
350	354	268	291	228	257	0.7	0.6
500	299	326	355	278	315	0.8	0.7
750	247	426	460	363	406	0.8	0.7
1000	210	491	531	418	474	0.9	0.7

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