0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Copper Conductor - Concentric Strand						
12	36	35	35	34	35	33
10	47	46	46	45	45	44
8	63	62	62	60	61	58
6	83	81	81	78	80	76
4	109	107	107	103	105	100
2	145	141	142	136	139	132
1	172	166	167	160	163	154
1/0	198	191	192	184	187	176
2/0	228	221	222	211	215	202
3/0	263	254	255	242	248	232
4/0	304	293	294	278	285	266
250	340	326	328	309	317	295
300	380	364	366	344	353	327
350	417	399	401	376	387	357
400	451	431	433	406	417	385
500	514	489	492	460	473	435
600	574	544	548	509	525	480
750	646	611	616	570	589	536
1000	744	701	706	651	674	610

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
75°C - Copper Conductor - Concentric Strand						
12	32	31	31	30	31	30
10	41	40	41	40	40	39
8	56	54	55	53	54	52
6	73	72	72	69	70	67
4	97	94	95	91	93	88
2	128	125	125	120	122	116
1	151	147	147	141	144	136
1/0	174	169	170	162	165	156
2/0	201	195	196	186	190	179
3/0	232	224	225	214	219	205
4/0	268	258	260	246	251	235
250	300	288	289	273	280	261
300	335	321	323	304	312	289
350	368	352	354	332	341	316
400	398	380	382	358	368	340
500	452	431	434	405	417	384
600	504	479	483	449	463	424
750	567	537	541	502	518	473
1000	652	615	620	572	592	537

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Copper Conductor - Concentric Strand						
12	34	33	33	31	32	29
10	44	42	43	40	41	38
8	59	56	57	53	55	50
6	78	74	74	69	71	65
4	102	96	97	90	93	84
2	135	127	128	117	122	109
1	158	147	149	136	141	126
1/0	182	169	171	155	162	144
2/0	208	193	195	176	185	163
3/0	240	221	224	201	210	186
4/0	275	252	256	229	240	211
250	306	280	283	253	265	233
300	339	309	314	279	294	257
350	371	337	342	303	319	279
400	400	362	368	326	343	299
500	453	408	415	366	386	334
600	502	450	458	402	425	366
750	560	501	511	447	472	405
1000	640	570	580	503	535	456

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
75°C - Copper Conductor - Concentric Strand						
12	30	29	29	27	28	26
10	39	38	38	36	37	34
8	53	50	50	47	49	45
6	69	65	66	61	63	58
4	91	85	86	80	82	75
2	119	112	113	104	108	97
1	140	130	132	120	125	112
1/0	160	149	151	137	143	128
2/0	184	171	173	156	164	145
3/0	212	196	198	178	187	165
4/0	243	223	227	203	213	188
250	270	247	251	224	235	207
300	300	275	278	248	260	228
350	327	299	303	269	283	248
400	353	321	326	289	304	265
500	399	362	367	325	342	297
600	443	398	405	357	376	324
750	495	443	451	396	418	359
1000	562	501	511	444	472	403

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Copper Conductor - Concentric Strand						
12	32	30	30	27	28	25
10	41	38	39	35	36	32
8	55	50	51	46	48	42
6	71	65	66	59	62	54
4	93	85	86	76	80	69
2	122	110	112	98	103	89
1	142	127	129	112	119	102
1/0	162	144	147	128	135	115
2/0	185	164	167	145	154	131
3/0	212	187	190	164	174	148
4/0	241	212	216	186	198	167
250	266	234	238	204	217	183
300	295	258	263	224	239	201
350	321	280	285	243	259	217
400	345	300	306	260	278	232
500	388	336	343	290	310	258
600	427	368	376	316	339	282
750	474	407	416	349	375	310
1000	537	459	469	392	422	347

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
75°C - Copper Conductor - Concentric Strand						
12	28	26	27	24	25	22
10	37	34	34	31	32	29
8	49	45	45	41	43	37
6	63	58	59	52	55	48
4	83	75	76	68	71	62
2	108	98	99	87	92	79
1	126	113	114	100	106	91
1/0	143	128	130	113	120	103
2/0	164	146	148	129	136	117
3/0	187	166	169	146	155	132
4/0	214	189	192	165	176	149
250	236	208	211	181	193	163
300	261	229	233	200	213	179
350	284	248	253	216	231	193
400	305	266	272	231	247	207
500	343	298	304	258	276	230
600	378	327	333	282	302	251
750	420	361	369	310	333	276
1000	474	406	415	347	374	309

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Copper Conductor - Concentric Strand						
12	30	27	28	25	26	23
10	39	35	36	32	34	29
8	51	46	47	41	44	38
6	67	59	61	53	56	48
4	87	77	79	68	73	62
2	113	99	102	88	94	79
1	130	114	117	100	107	90
1/0	148	129	133	113	121	102
2/0	169	146	151	128	138	115
3/0	192	166	171	145	156	130
4/0	219	188	194	163	176	146
250	240	206	213	179	193	160
300	266	227	234	196	212	175
350	289	246	254	212	230	190
400	310	263	272	227	246	203
500	347	293	304	252	273	225
600	380	321	332	276	299	245
750	421	355	367	303	329	270
1000	475	398	412	340	369	301

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
	75°C - Copper Conductor - Concentric Strand					
12	27	24	25	22	23	20
10	35	31	32	28	30	26
8	46	41	42	37	39	34
6	59	53	54	47	50	43
4	77	68	70	61	65	55
2	100	88	90	78	83	71
1	115	101	104	89	95	80
1/0	131	115	118	101	108	91
2/0	150	130	134	114	123	103
3/0	170	148	152	129	139	116
4/0	194	167	173	146	157	131
250	214	183	189	159	172	143
300	236	202	208	175	189	157
350	256	219	226	189	205	169
400	275	234	242	202	219	180
500	308	261	270	225	244	201
600	338	285	295	245	265	219
750	374	314	326	270	293	240
1000	420	353	365	301	327	267

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	72	77	422.9	61	80	305.8	54	83	239.4
10	93	78	392.6	79	82	281.6	69	83	219.7
8	119	77	314.0	101	81	226.2	89	83	177.3
6	154	79	290.6	131	82	208.2	115	84	162.3
4	200	80	266.0	169	83	188.7	149	85	147.0
2	260	81	240.7	218	84	170.0	192	85	132.0
1	294	80	205.0	248	83	145.8	219	84	113.5
1/0	335	81	195.1	282	83	138.6	249	85	107.5
2/0	382	81	185.0	321	84	130.9	283	85	101.8
3/0	435	82	175.7	366	84	124.2	322	86	96.3
4/0	496	82	166.2	416	85	116.8	366	86	90.6
250	542	82	151.6	456	84	107.3	402	85	83.1
300	600	82	145.3	504	84	102.4	444	86	79.5
350	653	82	139.8	548	85	98.7	482	86	76.3
400	702	83	135.3	589	85	95.2	518	86	73.7
500	790	83	128.1	662	85	90.0	582	86	69.6
600	865	83	117.9	726	85	83.0	639	86	64.4
750	965	83	111.6	809	85	78.5	712	86	60.9
1000	1098	84	103.9	919	86	72.8	808	87	56.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	67	79	365.7	56	82	259.3	49	84	200.8
10	86	80	336.5	72	83	237.2	63	85	182.3
8	110	79	268.7	92	82	189.1	81	84	146.6
6	142	81	246.2	119	83	172.6	104	85	133.0
4	183	82	222.9	153	84	155.2	134	86	119.0
2	237	83	199.8	197	85	138.5	172	86	105.7
1	268	82	169.8	223	84	118.4	196	86	90.5
1/0	304	82	160.8	254	85	111.5	222	86	85.3
2/0	346	83	151.7	288	85	105.2	252	86	80.2
3/0	393	83	143.3	327	85	98.9	285	87	75.3
4/0	446	84	134.7	370	86	92.7	323	87	70.7
250	487	83	122.4	405	85	84.6	354	86	64.5
300	538	84	116.8	446	86	80.4	390	87	61.3
350	584	84	111.9	484	86	77.1	423	87	58.6
400	626	84	107.8	519	86	74.2	453	87	56.4
500	702	85	101.3	582	86	69.6	507	87	52.8
600	768	84	93.0	637	86	63.8	556	87	48.7
750	853	85	87.3	706	86	59.9	616	87	45.5
1000	966	85	80.3	798	87	54.9	696	88	41.8

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	67	69	357.7	57	72	258.0	50	74	203.5
10	87	70	331.8	73	73	238.4	65	74	185.8
8	111	69	266.0	94	72	191.8	84	74	150.2
6	144	71	246.2	122	73	175.8	108	75	137.8
4	187	72	225.0	158	74	160.0	139	75	124.4
2	243	73	203.3	204	75	143.7	180	76	111.6
1	275	72	173.2	232	74	123.3	205	75	95.9
1/0	313	72	164.8	264	74	117.0	233	76	91.2
2/0	357	73	156.7	300	75	111.0	265	76	86.0
3/0	407	73	148.6	342	75	105.1	301	76	81.4
4/0	463	74	140.6	389	75	99.0	342	77	76.6
250	506	73	128.4	426	75	90.6	375	76	70.5
300	560	73	123.0	471	75	86.6	414	76	67.2
350	609	74	118.3	512	76	83.5	450	77	64.7
400	655	74	114.6	549	76	80.5	483	77	62.4
500	737	74	108.5	617	76	76.1	543	77	58.8
600	807	74	99.9	677	76	70.3	596	77	54.5
750	899	74	94.5	754	76	66.4	663	77	51.4
1000	1021	75	87.9	855	76	61.6	752	77	47.7

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12

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	62	70	308.5	52	73	219.4	46	75	170.2
10	80	72	285.1	67	74	199.8	59	75	154.2
8	103	71	227.1	86	74	160.2	76	75	124.0
6	133	72	208.2	111	74	145.7	97	76	112.4
4	171	73	188.7	143	75	131.3	125	76	100.5
2	221	74	169.4	184	76	116.8	161	77	89.4
1	250	73	143.8	209	75	99.8	183	76	76.8
1/0	284	74	135.9	237	76	94.4	207	77	72.3
2/0	323	74	128.5	269	76	89.0	235	77	68.2
3/0	367	74	121.1	305	76	83.7	267	77	63.8
4/0	417	75	113.7	346	76	78.4	302	77	59.8
250	455	74	103.5	378	76	71.7	330	77	54.7
300	502	75	98.6	417	76	68.1	364	77	52.0
350	545	75	94.8	452	77	65.2	395	77	49.7
400	585	75	91.2	485	77	62.7	423	77	47.7
500	655	75	85.7	543	77	58.8	473	78	44.6
600	716	75	78.7	594	77	54.1	518	77	41.1
750	795	76	73.9	658	77	50.6	574	78	38.5
1000	898	76	68.1	742	77	46.5	647	78	35.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	64	65	324.5	55	68	235.4	48	69	184.8
10	83	66	301.4	71	69	216.2	62	70	169.4
8	107	65	241.6	91	68	174.6	80	70	136.6
6	139	66	224.1	117	69	159.9	104	70	125.1
4	180	67	204.4	152	70	145.6	134	71	112.8
2	233	68	185.2	196	70	130.9	173	71	101.6
1	264	67	157.5	223	70	112.0	197	71	87.6
1/0	301	68	149.9	254	70	106.6	224	71	82.6
2/0	343	68	142.6	289	70	101.0	254	71	78.2
3/0	391	69	135.2	328	71	95.5	289	72	74.1
4/0	445	69	127.7	373	71	89.9	329	72	69.6
250	486	69	116.7	409	70	82.4	360	72	63.9
300	538	69	111.8	452	71	79.0	398	72	61.1
350	586	69	107.5	492	71	75.7	433	72	58.9
400	629	69	104.1	528	71	73.2	464	72	56.6
500	707	70	98.6	593	71	69.1	521	72	53.5
600	775	69	90.8	650	71	64.0	572	72	49.5
750	862	70	86.0	723	71	60.5	636	72	46.8
1000	979	70	79.8	820	72	56.0	721	72	43.3

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14

0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	60	66	280.6	50	69	199.5	44	70	154.3
10	77	67	259.4	65	70	182.3	57	71	140.2
8	99	67	206.3	83	69	145.7	73	71	112.2
6	128	68	189.2	107	70	133.0	94	71	102.1
4	165	69	171.6	137	71	119.7	120	72	91.6
2	213	70	153.6	177	71	106.3	155	72	81.2
1	240	69	130.6	201	71	91.0	176	72	70.0
1/0	273	69	123.7	228	71	85.8	199	72	65.9
2/0	311	70	116.8	258	71	80.6	226	72	61.9
3/0	353	70	110.0	293	72	76.0	256	72	58.1
4/0	401	70	103.6	332	72	71.4	290	73	54.2
250	437	70	94.1	363	71	65.1	318	72	49.7
300	482	70	89.8	401	72	61.9	350	72	47.3
350	524	70	86.2	434	72	59.1	379	73	45.0
400	562	71	82.9	466	72	56.9	406	73	43.5
500	629	71	78.0	521	72	53.5	454	73	40.8
600	687	71	71.6	570	72	49.1	497	73	37.4
750	763	71	67.2	631	72	46.0	551	73	35.0
1000	861	71	61.8	712	72	42.3	620	73	32.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	58	57	260.6	50	59	187.5	44	60	147.6
10	76	58	241.9	64	60	172.9	57	61	135.5
8	97	57	193.6	83	59	139.3	73	61	109.5
6	126	58	178.9	107	60	128.3	94	61	99.8
4	163	59	163.4	138	61	116.2	122	62	90.3
2	212	60	147.8	178	61	104.6	157	62	81.2
1	240	59	126.2	203	61	89.5	179	62	70.0
1/0	274	59	120.1	231	61	85.3	203	62	66.4
2/0	312	60	113.9	262	61	80.6	231	62	62.8
3/0	355	60	108.1	298	61	76.4	263	62	59.2
4/0	404	60	102.2	339	62	72.1	299	62	55.6
250	442	60	93.4	372	61	66.1	328	62	51.3
300	489	60	89.2	411	62	63.1	362	62	49.0
350	532	60	86.2	446	62	60.8	393	63	47.0
400	571	61	83.4	479	62	58.7	422	63	45.4
500	642	61	78.7	538	62	55.4	473	63	42.7
600	702	61	72.7	590	62	51.0	519	63	39.6
750	781	61	68.8	655	62	48.2	576	63	37.3
1000	885	61	63.9	741	62	44.9	652	63	34.7

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	54	58	224.7	46	60	159.6	40	61	123.7
10	70	59	206.8	59	61	146.0	52	62	112.2
8	90	58	164.7	75	60	116.7	66	61	90.5
6	116	59	151.2	97	61	106.1	85	62	81.5
4	150	60	137.4	125	62	95.7	109	62	73.2
2	193	61	123.3	161	62	85.3	141	63	64.8
1	219	60	104.2	182	61	72.9	160	62	55.8
1/0	248	60	98.9	207	62	68.6	181	63	52.4
2/0	282	61	93.5	235	62	64.8	205	63	49.5
3/0	321	61	88.3	266	62	60.7	233	63	46.6
4/0	364	61	82.9	302	62	57.0	264	63	43.4
250	397	61	75.5	330	62	51.9	289	63	39.6
300	438	61	71.9	364	62	49.6	318	63	37.9
350	476	61	68.8	395	62	47.3	345	63	36.2
400	510	61	66.3	423	63	45.6	369	63	34.9
500	571	62	62.4	473	63	42.7	412	63	32.6
600	623	62	57.1	517	63	39.4	451	63	29.8
750	691	62	53.7	572	63	36.8	499	63	28.1
1000	779	62	49.5	644	63	33.9	561	63	25.6

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	47	45	162.2	40	46	117.0	36	47	91.8
10	61	46	150.7	52	47	108.7	46	48	84.1
8	79	45	121.2	67	47	86.9	59	47	68.8
6	102	46	111.6	86	47	80.0	76	48	62.5
4	133	46	102.6	112	47	72.5	99	48	56.8
2	172	47	92.3	145	48	65.4	127	48	50.8
1	195	46	78.8	164	47	56.3	145	48	43.5
1/0	222	46	75.0	187	47	53.3	165	48	41.5
2/0	253	47	71.1	213	48	50.3	188	48	39.1
3/0	288	47	67.6	242	48	47.8	213	48	37.1
4/0	328	47	64.0	275	48	45.1	242	48	35.0
250	358	47	58.2	301	48	41.2	265	48	32.1
300	396	47	55.8	333	48	39.3	293	48	30.5
350	431	47	53.9	362	48	37.9	318	48	29.3
400	462	47	52.2	388	48	36.7	341	49	28.3
500	519	47	49.2	435	48	34.6	383	49	26.9
600	567	47	45.4	476	48	32.0	419	49	24.9
750	630	47	42.9	528	48	30.2	465	49	23.3
1000	712	48	40.0	596	48	28.1	524	49	21.6

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	44	46	141.0	37	47	99.7	33	48	77.1
10	57	46	129.7	48	47	91.1	42	48	70.1
8	73	46	103.2	61	47	73.3	54	48	56.1
6	94	46	95.0	79	47	66.5	69	48	51.5
4	121	47	85.5	101	48	59.5	89	48	45.8
2	157	47	77.1	130	48	53.2	114	49	40.9
1	177	47	65.1	148	48	45.5	130	48	34.7
1/0	201	47	61.9	168	48	42.9	147	48	33.0
2/0	229	47	58.2	191	48	40.3	167	49	30.8
3/0	260	47	55.0	216	48	37.8	189	49	29.0
4/0	295	48	51.8	245	48	35.7	214	49	27.3
250	322	47	47.2	268	48	32.4	234	49	24.9
300	355	48	44.9	295	48	30.8	258	49	23.5
350	385	48	43.1	320	48	29.6	279	49	22.7
400	413	48	41.4	342	49	28.6	299	49	21.8
500	462	48	38.9	382	49	26.6	333	49	20.4
600	504	48	35.7	417	49	24.7	364	49	18.6
750	557	48	33.6	461	49	22.9	402	49	17.6
1000	626	48	30.9	518	49	21.1	451	49	16.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	65	79	347.1	55	82	247.3	48	84	192.8
10	84	80	320.1	70	83	225.5	62	85	175.3
8	107	80	254.3	90	83	181.0	80	84	140.3
6	138	81	232.8	116	84	163.9	102	85	127.5
4	178	82	210.6	149	85	147.7	131	86	113.5
2	230	83	188.1	192	85	131.4	168	86	101.1
1	260	82	159.5	217	85	112.0	191	86	86.6
1/0	295	83	150.8	247	85	105.7	216	86	81.3
2/0	335	83	142.2	280	85	99.4	245	86	76.5
3/0	380	84	133.7	317	86	93.2	278	87	71.8
4/0	431	84	125.6	359	86	87.1	315	87	67.2
250	471	84	114.2	393	86	79.6	344	87	61.4
300	519	84	108.6	433	86	75.7	379	87	58.1
350	563	84	104.2	469	86	72.4	411	87	55.5
400	604	85	100.2	503	86	69.5	441	87	53.5
500	677	85	94.1	563	87	65.0	493	87	49.9
600	739	85	86.1	616	86	59.7	540	87	45.8
750	820	85	80.6	683	87	55.9	598	87	42.9
1000	927	86	74.0	771	87	51.2	675	88	39.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	58	81	280.6	49	84	196.8	43	85	150.3
10	75	82	255.9	62	85	177.6	55	86	135.5
8	96	82	202.7	80	84	141.2	70	86	107.7
6	123	83	183.7	102	85	127.5	89	86	97.4
4	157	84	164.1	131	86	112.8	114	87	86.2
2	202	85	145.5	167	86	99.9	146	87	75.9
1	228	84	122.8	189	86	84.6	165	87	64.6
1/0	258	84	115.6	214	86	79.5	187	87	60.5
2/0	292	85	108.5	242	87	74.4	211	87	56.5
3/0	331	85	101.6	274	87	69.5	238	88	52.7
4/0	374	86	94.8	309	87	64.7	269	88	49.0
250	408	85	85.9	337	87	58.8	294	88	44.7
300	449	86	81.3	371	87	55.5	323	88	42.0
350	486	86	77.7	401	87	52.8	349	88	40.1
400	520	86	74.5	429	87	50.6	374	88	38.3
500	581	86	69.4	479	88	47.0	417	88	35.8
600	634	86	63.1	523	87	43.0	455	88	32.7
750	701	86	58.9	577	88	39.9	502	88	30.2
1000	788	87	53.5	649	88	36.3	564	88	27.4

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	61	71	293.9	51	73	210.1	45	75	163.6
10	78	72	269.9	66	74	191.6	58	76	148.4
8	100	71	215.4	84	74	152.9	74	75	118.5
6	129	72	197.1	108	75	138.6	95	76	107.7
4	166	73	177.8	139	75	125.1	122	76	96.4
2	215	74	158.9	179	76	111.0	157	77	85.3
1	242	73	135.0	203	75	94.9	178	76	72.9
1/0	275	74	127.8	230	76	89.4	202	77	68.6
2/0	313	74	120.1	261	76	84.0	229	77	64.4
3/0	355	75	113.1	296	76	78.7	260	77	60.7
4/0	403	75	106.4	336	77	73.8	294	77	56.7
250	440	75	96.6	367	76	67.3	322	77	51.9
300	485	75	91.9	404	77	64.0	354	77	49.3
350	526	75	88.2	438	77	61.1	384	78	47.0
400	564	75	84.9	470	77	58.7	411	78	45.1
500	631	76	79.7	525	77	55.2	460	78	42.2
600	689	76	72.9	574	77	50.6	503	78	38.7
750	764	76	68.4	636	77	47.2	557	78	36.4
1000	862	76	62.6	717	77	43.3	628	78	33.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	55	73	238.0	46	75	166.2	40	76	127.7
10	70	74	216.2	58	76	150.7	51	77	114.5
8	89	73	171.0	74	75	119.4	65	76	91.4
6	115	74	155.2	95	76	107.7	83	77	82.3
4	147	75	138.8	122	76	95.7	107	77	73.2
2	189	76	123.3	156	77	84.1	136	78	64.3
1	213	75	104.2	177	77	71.4	154	77	54.8
1/0	241	75	98.0	200	77	67.3	174	78	51.0
2/0	273	76	91.9	226	77	62.8	197	78	47.8
3/0	309	76	86.0	256	77	58.8	223	78	44.7
4/0	350	76	80.1	289	78	54.6	252	78	41.6
250	381	76	72.7	315	77	49.7	275	78	37.8
300	419	76	68.7	346	77	47.0	302	78	35.5
350	454	76	65.5	375	78	44.8	326	78	34.0
400	486	77	62.9	401	78	42.7	349	78	32.5
500	542	77	58.6	447	78	39.8	389	78	30.2
600	591	77	53.4	487	78	36.3	424	78	27.7
750	653	77	49.8	538	78	33.8	468	78	25.7
1000	733	77	45.3	603	78	30.7	525	79	23.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	58	67	267.3	49	69	190.2	43	70	147.6
10	75	68	245.4	63	70	174.1	56	71	134.4
8	96	67	195.4	81	69	139.3	71	71	107.7
6	124	68	178.9	104	70	126.7	92	71	97.4
4	160	69	162.1	134	71	113.5	118	72	87.5
2	206	70	144.9	172	71	101.1	151	72	77.7
1	233	69	122.8	195	71	86.1	171	72	66.5
1/0	265	69	116.1	221	71	81.3	194	72	62.8
2/0	301	70	109.3	251	71	76.5	220	72	58.6
3/0	341	70	103.2	285	72	71.8	250	72	55.0
4/0	387	71	96.6	323	72	67.2	283	73	51.4
250	422	70	87.8	353	72	61.4	309	72	47.2
300	466	70	83.7	388	72	58.1	340	73	44.6
350	505	71	80.1	421	72	55.5	369	73	42.8
400	541	71	77.1	451	72	53.5	395	73	41.2
500	606	71	72.2	504	72	50.2	442	73	38.4
600	662	71	66.2	551	72	46.1	483	73	35.2
750	733	71	62.0	610	72	43.1	534	73	33.0
1000	827	72	57.0	687	73	39.5	602	73	30.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	52	68	215.4	44	70	150.3	38	71	115.7
10	67	69	196.3	56	71	136.7	49	72	105.2
8	86	69	155.6	72	71	108.6	63	72	83.2
6	110	70	140.9	92	71	97.4	80	72	74.4
4	141	70	126.5	117	72	86.8	102	73	66.3
2	181	71	112.2	150	72	76.5	131	73	58.4
1	205	70	94.4	170	72	65.1	148	73	49.4
1/0	232	71	89.0	192	72	61.0	168	73	46.5
2/0	263	71	83.6	217	72	57.0	189	73	43.2
3/0	297	71	77.9	246	73	53.5	214	73	40.5
4/0	336	72	72.8	278	73	49.7	242	73	37.8
250	366	71	66.1	303	73	45.3	264	73	34.3
300	403	72	62.5	333	73	42.6	290	73	32.3
350	436	72	59.7	360	73	40.6	313	73	30.9
400	466	72	57.2	385	73	39.1	335	73	29.6
500	520	72	53.3	429	73	36.2	373	74	27.4
600	567	72	48.7	468	73	33.1	407	73	25.1
750	626	72	45.3	516	73	30.8	449	74	23.3
1000	703	73	41.2	579	73	27.9	503	74	21.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	53	58	214.1	45	60	152.9	39	61	118.3
10	68	59	196.3	58	61	139.0	51	62	107.5
8	87	59	156.5	74	61	111.3	65	62	86.0
6	113	60	143.3	95	61	101.3	83	62	78.4
4	145	60	129.2	122	62	90.9	107	62	69.7
2	188	61	115.7	157	62	80.6	137	63	61.9
1	212	60	98.3	177	62	69.0	156	62	53.3
1/0	241	61	93.0	201	62	65.0	177	63	50.1
2/0	273	61	87.7	228	62	61.1	200	63	47.0
3/0	310	61	82.5	259	62	57.3	227	63	43.9
4/0	352	61	77.3	293	63	53.9	257	63	41.3
250	384	61	70.5	320	62	49.1	281	63	37.8
300	423	61	66.9	353	63	46.7	309	63	35.8
350	459	62	64.1	382	63	44.5	335	63	34.3
400	492	62	61.6	410	63	42.7	359	63	32.8
500	550	62	57.8	458	63	40.1	401	63	30.7
600	600	62	53.0	500	63	36.8	438	63	28.3
750	664	62	49.6	553	63	34.4	484	63	26.5
1000	748	62	45.6	622	63	31.6	544	64	24.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Copper Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	48	60	172.9	40	61	121.0	35	62	93.1
10	61	60	157.7	51	62	109.8	45	63	84.1
8	78	60	124.9	65	62	86.9	57	62	67.0
6	100	61	113.2	83	62	78.4	73	63	60.2
4	129	61	101.2	107	62	69.7	93	63	53.3
2	165	62	89.4	137	63	61.3	119	63	46.7
1	186	61	75.8	154	62	51.9	135	63	39.6
1/0	211	62	71.3	175	63	48.8	152	63	37.0
2/0	239	62	66.9	198	63	45.7	172	63	34.9
3/0	270	62	62.7	223	63	42.8	195	64	32.5
4/0	305	62	58.4	252	63	39.9	220	64	30.1
250	333	62	52.9	275	63	36.2	240	64	27.4
300	366	62	50.2	302	63	34.0	263	64	25.8
350	396	62	47.8	327	63	32.6	285	64	24.6
400	424	63	45.9	349	63	31.2	304	64	23.6
500	472	63	42.7	389	64	29.0	339	64	22.1
600	514	63	38.9	424	63	26.4	369	64	20.1
750	567	63	36.2	468	64	24.7	407	64	18.6
1000	636	63	33.0	523	64	22.3	455	64	16.8

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	43	46	134.3	36	47	95.7	32	48	74.5
10	55	46	122.7	47	47	86.5	41	48	67.8
8	71	46	97.7	60	47	69.7	53	48	54.3
6	91	47	89.5	77	48	63.3	68	48	49.1
4	118	47	80.7	99	48	56.8	87	48	43.8
2	152	47	72.4	127	48	50.2	111	49	38.6
1	172	47	61.2	144	48	43.0	126	48	33.3
1/0	195	47	57.8	163	48	40.6	143	49	31.2
2/0	222	47	54.9	185	48	38.2	162	49	29.5
3/0	251	48	51.6	210	48	35.9	184	49	27.5
4/0	285	48	48.3	238	49	33.6	208	49	25.9
250	311	48	44.0	260	48	30.5	228	49	23.6
300	343	48	41.7	286	48	29.1	251	49	22.3
350	372	48	40.1	310	49	27.9	271	49	21.3
400	398	48	38.5	332	49	26.7	290	49	20.5
500	445	48	36.2	370	49	25.0	324	49	19.2
600	485	48	33.1	404	49	22.9	354	49	17.7
750	536	48	31.0	446	49	21.5	390	49	16.4
1000	601	48	28.4	500	49	19.6	438	49	15.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Copper Conductor - Concentric Strand

Condr Size	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
				100% LF					
12	39	47	107.7	32	48	75.8	28	48	58.5
10	50	47	98.1	41	48	67.8	36	48	52.6
8	63	47	77.8	53	48	54.3	46	48	41.6
6	81	47	70.5	68	48	49.1	59	49	37.2
4	104	48	62.9	87	48	43.8	76	49	33.5
2	134	48	56.1	111	49	38.6	97	49	29.2
1	151	48	47.5	125	48	32.8	109	49	24.9
1/0	171	48	44.7	142	49	30.7	124	49	23.0
2/0	194	48	41.6	160	49	28.7	140	49	21.6
3/0	219	48	39.0	181	49	26.7	158	49	20.2
4/0	248	48	36.4	204	49	24.8	178	49	18.9
250	270	48	33.0	223	49	22.7	194	49	17.0
300	296	48	31.4	245	49	21.4	213	49	16.1
350	321	48	29.8	265	49	20.4	231	49	15.5
400	343	49	28.6	283	49	19.4	246	49	14.7
500	382	49	26.6	315	49	18.2	274	49	13.7
600	415	49	24.2	343	49	16.7	298	49	12.5
750	457	49	22.7	377	49	15.4	328	49	11.7
1000	511	49	20.5	421	49	14.0	366	49	10.5

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Conduit in Air - Triplexed

40°C Air Ambient

Condr Size	No Sun		Full Sun	
	0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s
90°C - Copper Conductor - Concentric Strand				
12	28	29	21	24
10	37	38	27	31
8	49	51	37	42
6	65	67	48	55
4	85	88	63	72
2	112	117	83	96
1	131	137	97	112
1/0	151	158	112	129
2/0	173	181	129	149
3/0	207	215	151	172
4/0	238	247	174	198
250	266	276	194	221
300	296	308	217	247
350	324	338	237	271
400	351	366	257	293
500	398	416	291	333
600	460	477	333	376
750	517	538	375	424
1000	595	620	431	489

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable in Conduit in Air - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Copper Conductor - Concentric Strand				
12	24	25	14	18
10	31	32	18	23
8	42	43	24	31
6	55	57	31	41
4	72	75	41	54
2	94	99	54	71
1	110	116	63	84
1/0	127	133	72	96
2/0	145	153	83	110
3/0	174	181	95	125
4/0	200	209	110	144
250	223	233	122	161
300	249	260	136	179
350	272	285	149	196
400	294	308	161	212
500	334	350	183	241
600	385	402	205	268
750	433	452	230	301
1000	496	520	265	346

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Copper Conductor - Concentric Strand				
12	36	48	29	43
10	48	63	39	57
8	66	85	53	76
6	89	113	71	100
4	120	150	95	132
2	162	201	128	175
1	195	235	152	203
1/0	226	272	176	234
2/0	264	315	205	269
3/0	308	365	238	310
4/0	359	422	277	357
250	405	472	310	396
300	456	530	349	444
350	504	584	385	488
400	550	635	419	529
500	634	729	481	603
600	714	815	540	671
750	815	926	614	759
1000	957	1081	717	879

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Copper Conductor - Concentric Strand				
12	30	41	20	35
10	39	54	27	46
8	55	73	37	61
6	74	96	49	80
4	99	128	65	104
2	134	171	86	137
1	161	200	102	158
1/0	188	231	118	181
2/0	219	268	136	208
3/0	255	310	157	239
4/0	297	358	182	273
250	335	400	203	302
300	378	449	227	337
350	418	495	250	369
400	455	538	271	399
500	524	616	309	453
600	591	689	345	501
750	673	782	389	563
1000	788	910	450	646

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Copper Conductor - Concentric Strand				
12	43	62	36	58
10	58	83	48	77
8	81	110	66	101
6	108	146	88	134
4	146	195	118	177
2	197	260	159	234
1	234	301	188	269
1/0	273	348	219	311
2/0	318	403	254	358
3/0	371	467	296	413
4/0	434	542	344	477
250	488	600	385	526
300	551	675	434	589
350	611	745	481	648
400	668	811	525	704
500	776	935	607	808
600	877	1045	683	897
750	1017	1203	789	1027
1000	1225	1436	946	1218

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Copper Conductor - Concentric Strand				
12	36	53	26	48
10	48	71	35	63
8	67	94	47	83
6	90	125	63	109
4	121	166	83	143
2	163	221	112	189
1	195	257	131	217
1/0	227	297	152	249
2/0	264	344	176	286
3/0	308	398	204	329
4/0	360	461	236	379
250	405	511	263	416
300	458	574	295	465
350	508	634	326	510
400	555	690	355	552
500	644	795	409	631
600	729	889	458	698
750	844	1022	526	795
1000	1016	1219	626	936

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Unventilated Riser - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Copper Conductor - Concentric Strand				
12	26	28	22	25
10	34	37	29	33
8	47	50	40	45
6	62	67	52	60
4	81	89	69	81
2	107	118	91	108
1	126	140	107	128
1/0	144	161	123	147
2/0	165	185	141	169
3/0	207	226	176	200
4/0	238	260	203	232
250	264	290	225	259
300	293	323	250	289
350	320	353	273	317
400	344	380	294	343
500	387	429	330	389
600	455	497	388	446
750	505	553	431	497
1000	568	624	485	561

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable in Unventilated Riser - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Copper Conductor - Concentric Strand				
12	21	23	15	19
10	28	30	20	25
8	38	42	28	35
6	51	55	37	46
4	67	74	50	62
2	88	98	66	83
1	103	116	78	98
1/0	119	133	90	114
2/0	136	153	104	131
3/0	171	187	126	153
4/0	196	216	146	177
250	217	240	163	198
300	241	268	182	221
350	263	292	199	242
400	283	315	215	262
500	317	355	243	297
600	373	411	285	338
750	413	457	317	380
1000	462	514	355	436

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	28	27	27	27	27	26
10	36	36	36	35	35	34
8	49	48	48	47	47	45
6	64	63	63	61	62	59
4	85	83	83	80	82	78
2	113	110	111	106	108	102
1	134	130	130	124	127	120
1/0	154	149	150	143	146	137
2/0	178	172	173	164	168	158
3/0	206	198	199	189	193	181
4/0	238	229	230	218	223	208
250	266	256	257	242	248	231
300	298	286	287	270	277	257
350	328	314	316	297	304	281
400	357	341	343	321	330	304
500	410	390	393	366	377	346
600	461	437	440	410	422	386
750	528	500	503	466	481	438
1000	626	590	594	548	567	514

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable in Underground Duct Bank - Triplexed - Single Circuit

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	25	24	24	24	24	23
10	32	32	32	31	31	30
8	43	42	43	41	42	40
6	57	56	56	54	55	53
4	75	73	74	71	72	69
2	100	97	98	94	95	91
1	118	115	115	110	112	106
1/0	136	132	132	126	129	122
2/0	157	152	153	145	148	140
3/0	182	175	176	167	171	160
4/0	210	202	203	192	197	184
250	235	226	227	214	219	204
300	263	252	254	239	245	227
350	290	277	279	262	269	249
400	315	301	303	284	292	269
500	361	345	347	324	333	307
600	407	386	389	362	373	342
750	466	441	444	412	425	388
1000	552	521	525	485	501	455

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	26	25	26	24	25	23
10	35	33	33	31	32	30
8	46	44	44	41	43	39
6	61	57	58	54	56	51
4	80	75	76	70	73	66
2	105	99	100	91	95	85
1	123	115	116	106	110	98
1/0	142	131	133	121	126	112
2/0	163	151	152	138	144	128
3/0	187	173	175	157	164	145
4/0	215	197	200	179	188	165
250	240	219	222	198	208	182
300	266	243	246	219	230	202
350	292	265	270	239	252	219
400	316	287	291	258	271	236
500	361	325	331	291	308	267
600	403	362	368	323	342	294
750	457	410	418	365	386	331
1000	539	480	488	423	450	384

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Three Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	23	23	23	21	22	20
10	31	29	30	28	28	26
8	41	39	39	37	38	35
6	54	51	51	48	49	45
4	71	67	67	62	64	58
2	93	87	88	81	84	76
1	109	102	103	94	98	87
1/0	125	116	118	107	112	99
2/0	144	133	135	122	128	113
3/0	165	153	155	139	146	129
4/0	190	175	177	159	167	147
250	212	194	197	176	184	162
300	236	216	218	195	205	179
350	258	236	239	212	223	195
400	280	254	258	229	241	210
500	319	289	293	260	273	237
600	357	321	327	288	303	262
750	406	363	370	325	343	294
1000	476	424	433	376	400	341

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	25	23	23	21	22	20
10	32	30	30	27	28	25
8	43	39	40	36	37	33
6	56	51	52	46	48	42
4	73	66	67	59	62	54
2	95	86	87	76	81	70
1	110	99	100	88	93	79
1/0	126	113	114	99	105	90
2/0	144	128	130	113	120	102
3/0	165	146	148	128	136	115
4/0	189	166	169	145	155	131
250	209	183	186	160	170	143
300	231	202	206	176	188	158
350	253	220	225	191	204	171
400	273	237	242	205	219	183
500	309	268	273	231	247	206
600	343	296	302	254	273	226
750	388	333	340	285	307	254
1000	452	386	395	330	355	292

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Six Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
	75°C - Aluminum Conductor - Concentric Strand					
12	22	20	21	19	20	17
10	29	26	27	24	25	22
8	38	35	35	32	33	29
6	49	45	46	41	43	37
4	64	59	59	53	55	48
2	84	76	77	68	72	62
1	98	88	89	78	82	71
1/0	112	100	102	89	94	80
2/0	128	114	116	101	107	91
3/0	146	130	132	114	121	103
4/0	167	148	150	129	138	117
250	185	163	166	142	151	128
300	205	180	183	157	167	141
350	224	196	200	170	182	153
400	242	211	215	183	195	164
500	274	238	243	206	220	184
600	305	263	269	227	243	202
750	344	296	303	255	273	227
1000	401	344	351	294	316	261

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
90°C - Aluminum Conductor - Concentric Strand						
12	23	21	22	19	20	18
10	30	27	28	25	26	23
8	40	36	37	32	34	29
6	52	46	47	41	44	38
4	67	60	61	53	57	48
2	88	77	79	68	73	62
1	101	89	91	78	84	70
1/0	115	101	104	88	95	79
2/0	132	114	118	100	107	90
3/0	150	130	134	113	122	102
4/0	171	147	152	128	138	114
250	188	161	167	140	151	125
300	209	178	184	154	167	137
350	227	193	200	167	181	149
400	245	208	215	179	194	160
500	277	234	242	201	218	180
600	306	258	267	222	240	197
750	344	290	300	248	269	221
1000	400	335	347	286	311	253

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Underground Duct Bank - Triplexed - Nine Circuits

25°C Earth Ambient

Condr Size	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
75°C - Aluminum Conductor - Concentric Strand						
12	21	19	19	17	18	16
10	27	24	25	22	23	20
8	36	32	33	29	30	26
6	46	41	42	37	39	34
4	60	53	55	47	50	43
2	78	69	71	61	65	55
1	90	79	81	69	74	63
1/0	103	90	92	78	84	71
2/0	117	102	105	89	96	80
3/0	133	115	119	101	108	90
4/0	152	131	135	114	123	102
250	168	144	148	125	135	112
300	185	159	164	138	149	123
350	202	173	178	149	161	134
400	218	185	191	160	173	143
500	246	209	216	180	195	161
600	272	230	238	198	214	176
750	307	258	268	222	241	197
1000	356	299	309	255	277	226

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	56	77	422.9	47	80	305.8	42	83	239.4
10	72	78	392.6	61	82	281.6	54	83	219.7
8	93	77	314.0	79	81	226.2	70	83	177.3
6	120	79	290.6	102	82	208.2	90	84	162.3
4	156	80	266.0	132	83	188.7	116	85	147.0
2	202	81	240.7	170	84	170.0	150	85	132.0
1	229	80	205.0	193	83	145.8	171	84	113.5
1/0	261	81	195.1	220	83	138.6	194	85	107.5
2/0	298	81	185.0	251	84	130.9	221	85	101.8
3/0	340	82	175.7	286	84	124.2	251	86	96.3
4/0	388	82	166.2	325	85	116.8	286	86	90.6
250	425	82	151.6	357	84	107.3	314	85	83.1
300	471	82	145.3	396	84	102.4	348	86	79.5
350	514	82	139.8	432	85	98.7	380	86	76.3
400	555	83	135.3	465	85	95.2	409	86	73.7
500	629	83	128.1	528	85	90.0	464	86	69.6
600	696	83	117.9	584	85	83.0	514	86	64.4
750	788	83	111.6	661	85	78.5	582	86	60.9
1000	924	84	103.9	774	86	72.8	681	87	56.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	52	79	365.7	44	82	259.3	38	84	200.8
10	67	80	336.5	56	83	237.2	49	85	182.3
8	86	79	268.7	72	82	189.1	63	84	146.6
6	111	81	246.2	93	83	172.6	81	85	133.0
4	143	82	222.9	119	84	155.2	104	86	119.0
2	185	83	199.8	154	85	138.5	134	86	105.7
1	209	82	169.8	174	84	118.4	152	86	90.5
1/0	237	82	160.8	198	85	111.5	173	86	85.3
2/0	270	83	151.7	225	85	105.2	196	86	80.2
3/0	307	83	143.3	255	85	98.9	223	87	75.3
4/0	349	84	134.7	290	86	92.7	253	87	70.7
250	382	83	122.4	317	85	84.6	277	86	64.5
300	422	84	116.8	351	86	80.4	306	87	61.3
350	460	84	111.9	381	86	77.1	333	87	58.6
400	495	84	107.8	410	86	74.2	358	87	56.4
500	560	85	101.3	464	86	69.6	404	87	52.8
600	617	84	93.0	512	86	63.8	447	87	48.7
750	697	85	87.3	577	86	59.9	503	87	45.5
1000	813	85	80.3	672	87	54.9	586	88	41.8

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	52	69	357.7	44	72	258.0	39	74	203.5
10	68	70	331.8	57	73	238.4	51	74	185.8
8	87	69	266.0	74	72	191.8	65	74	150.2
6	112	71	246.2	95	73	175.8	84	75	137.8
4	146	72	225.0	123	74	160.0	108	75	124.4
2	189	73	203.3	159	75	143.7	140	76	111.6
1	214	72	173.2	181	74	123.3	159	75	95.9
1/0	244	72	164.8	206	74	117.0	181	76	91.2
2/0	279	73	156.7	234	75	111.0	207	76	86.0
3/0	318	73	148.6	267	75	105.1	235	76	81.4
4/0	362	74	140.6	304	75	99.0	268	77	76.6
250	397	73	128.4	334	75	90.6	294	76	70.5
300	440	73	123.0	370	75	86.6	326	76	67.2
350	481	74	118.3	403	76	83.5	355	77	64.7
400	518	74	114.6	435	76	80.5	383	77	62.4
500	588	74	108.5	493	76	76.1	433	77	58.8
600	650	74	99.9	546	76	70.3	480	77	54.5
750	736	74	94.5	618	76	66.4	543	77	51.4
1000	862	75	87.9	722	76	61.6	635	77	47.7

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	48	70	308.5	41	73	219.4	36	75	170.2
10	63	72	285.1	52	74	199.8	46	75	154.2
8	80	71	227.1	67	74	160.2	59	75	124.0
6	103	72	208.2	87	74	145.7	76	76	112.4
4	134	73	188.7	111	75	131.3	98	76	100.5
2	172	74	169.4	143	76	116.8	125	77	89.4
1	195	73	143.8	163	75	99.8	142	76	76.8
1/0	222	74	135.9	185	76	94.4	162	77	72.3
2/0	252	74	128.5	210	76	89.0	183	77	68.2
3/0	287	74	121.1	238	76	83.7	208	77	63.8
4/0	326	75	113.7	271	76	78.4	236	77	59.8
250	357	74	103.5	296	76	71.7	259	77	54.7
300	395	75	98.6	328	76	68.1	286	77	52.0
350	430	75	94.8	357	77	65.2	311	77	49.7
400	463	75	91.2	384	77	62.7	335	77	47.7
500	523	75	85.7	433	77	58.8	378	78	44.6
600	577	75	78.7	478	77	54.1	417	77	41.1
750	651	76	73.9	539	77	50.6	470	78	38.5
1000	759	76	68.1	627	77	46.5	547	78	35.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	50	65	324.5	43	68	235.4	38	69	184.8
10	65	66	301.4	55	69	216.2	49	70	169.4
8	83	65	241.6	71	68	174.6	63	70	136.6
6	108	66	224.1	91	69	159.9	81	70	125.1
4	140	67	204.4	118	70	145.6	104	71	112.8
2	182	68	185.2	153	70	130.9	135	71	101.6
1	206	67	157.5	174	70	112.0	153	71	87.6
1/0	235	68	149.9	198	70	106.6	174	71	82.6
2/0	268	68	142.6	225	70	101.0	199	71	78.2
3/0	305	69	135.2	257	71	95.5	226	72	74.1
4/0	348	69	127.7	292	71	89.9	257	72	69.6
250	381	69	116.7	321	70	82.4	283	72	63.9
300	423	69	111.8	355	71	79.0	313	72	61.1
350	462	69	107.5	388	71	75.7	341	72	58.9
400	498	69	104.1	418	71	73.2	368	72	56.6
500	565	70	98.6	474	71	69.1	417	72	53.5
600	625	69	90.8	524	71	64.0	461	72	49.5
750	708	70	86.0	593	71	60.5	522	72	46.8
1000	829	70	79.8	694	72	56.0	610	72	43.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	47	66	280.6	39	69	199.5	35	70	154.3
10	60	67	259.4	50	70	182.3	44	71	140.2
8	77	67	206.3	65	69	145.7	57	71	112.2
6	99	68	189.2	83	70	133.0	73	71	102.1
4	128	69	171.6	107	71	119.7	94	72	91.6
2	166	70	153.6	138	71	106.3	121	72	81.2
1	187	69	130.6	156	71	91.0	137	72	70.0
1/0	213	69	123.7	178	71	85.8	155	72	65.9
2/0	242	70	116.8	202	71	80.6	176	72	61.9
3/0	276	70	110.0	229	72	76.0	200	72	58.1
4/0	314	70	103.6	260	72	71.4	227	73	54.2
250	343	70	94.1	285	71	65.1	249	72	49.7
300	379	70	89.8	315	72	61.9	275	72	47.3
350	413	70	86.2	343	72	59.1	299	73	45.0
400	445	71	82.9	369	72	56.9	322	73	43.5
500	503	71	78.0	416	72	53.5	363	73	40.8
600	554	71	71.6	460	72	49.1	401	73	37.4
750	626	71	67.2	518	72	46.0	452	73	35.0
1000	729	71	61.8	603	72	42.3	525	73	32.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	46	57	260.6	39	59	187.5	34	60	147.6
10	59	58	241.9	50	60	172.9	44	61	135.5
8	76	57	193.6	64	59	139.3	57	61	109.5
6	98	58	178.9	83	60	128.3	73	61	99.8
4	127	59	163.4	107	61	116.2	95	62	90.3
2	165	60	147.8	139	61	104.6	122	62	81.2
1	187	59	126.2	158	61	89.5	139	62	70.0
1/0	214	59	120.1	180	61	85.3	159	62	66.4
2/0	244	60	113.9	205	61	80.6	181	62	62.8
3/0	278	60	108.1	233	61	76.4	205	62	59.2
4/0	317	60	102.2	266	62	72.1	234	62	55.6
250	347	60	93.4	292	61	66.1	257	62	51.3
300	385	60	89.2	323	62	63.1	285	62	49.0
350	420	60	86.2	353	62	60.8	310	63	47.0
400	453	61	83.4	380	62	58.7	334	63	45.4
500	514	61	78.7	431	62	55.4	379	63	42.7
600	568	61	72.7	477	62	51.0	420	63	39.6
750	643	61	68.8	539	62	48.2	474	63	37.3
1000	753	61	63.9	630	62	44.9	554	63	34.7

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	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
				100% LF					
12	42	58	224.7	36	60	159.6	31	61	123.7
10	55	59	206.8	46	61	146.0	40	62	112.2
8	70	58	164.7	59	60	116.7	52	61	90.5
6	90	59	151.2	76	61	106.1	66	62	81.5
4	117	60	137.4	97	62	95.7	85	62	73.2
2	151	61	123.3	125	62	85.3	110	63	64.8
1	170	60	104.2	142	61	72.9	125	62	55.8
1/0	194	60	98.9	162	62	68.6	141	63	52.4
2/0	221	61	93.5	183	62	64.8	160	63	49.5
3/0	251	61	88.3	208	62	60.7	182	63	46.6
4/0	285	61	82.9	237	62	57.0	207	63	43.4
250	312	61	75.5	259	62	51.9	226	63	39.6
300	345	61	71.9	286	62	49.6	250	63	37.9
350	376	61	68.8	312	62	47.3	272	63	36.2
400	404	61	66.3	335	63	45.6	293	63	34.9
500	457	62	62.4	379	63	42.7	330	63	32.6
600	504	62	57.1	418	63	39.4	365	63	29.8
750	569	62	53.7	471	63	36.8	411	63	28.1
1000	662	62	49.5	547	63	33.9	477	63	25.6

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	37	45	162.2	31	46	117.0	28	47	91.8
10	48	46	150.7	41	47	108.7	36	48	84.1
8	62	45	121.2	52	47	86.9	46	47	68.8
6	80	46	111.6	67	47	80.0	60	48	62.5
4	103	46	102.6	87	47	72.5	77	48	56.8
2	134	47	92.3	113	48	65.4	99	48	50.8
1	152	46	78.8	128	47	56.3	113	48	43.5
1/0	173	46	75.0	146	47	53.3	129	48	41.5
2/0	198	47	71.1	166	48	50.3	147	48	39.1
3/0	225	47	67.6	189	48	47.8	167	48	37.1
4/0	257	47	64.0	216	48	45.1	190	48	35.0
250	281	47	58.2	237	48	41.2	209	48	32.1
300	312	47	55.8	262	48	39.3	231	48	30.5
350	341	47	53.9	286	48	37.9	252	48	29.3
400	368	47	52.2	308	48	36.7	271	49	28.3
500	417	47	49.2	349	48	34.6	307	49	26.9
600	460	47	45.4	387	48	32.0	340	49	24.9
750	521	47	42.9	437	48	30.2	385	49	23.3
1000	609	48	40.0	510	48	28.1	449	49	21.6

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Single Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	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
				100% LF					
12	34	46	141.0	29	47	99.7	25	48	77.1
10	44	46	129.7	37	47	91.1	33	48	70.1
8	57	46	103.2	48	47	73.3	42	48	56.1
6	73	46	95.0	61	47	66.5	54	48	51.5
4	95	47	85.5	79	48	59.5	69	48	45.8
2	122	47	77.1	102	48	53.2	89	49	40.9
1	138	47	65.1	115	48	45.5	101	48	34.7
1/0	157	47	61.9	131	48	42.9	115	48	33.0
2/0	179	47	58.2	149	48	40.3	130	49	30.8
3/0	203	47	55.0	169	48	37.8	148	49	29.0
4/0	231	48	51.8	192	48	35.7	168	49	27.3
250	253	47	47.2	210	48	32.4	184	49	24.9
300	280	48	44.9	232	48	30.8	203	49	23.5
350	305	48	43.1	253	48	29.6	221	49	22.7
400	328	48	41.4	272	49	28.6	237	49	21.8
500	371	48	38.9	307	49	26.6	268	49	20.4
600	409	48	35.7	339	49	24.7	296	49	18.6
750	461	48	33.6	382	49	22.9	333	49	17.6
1000	536	48	30.9	443	49	21.1	386	49	16.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	51	79	347.1	43	82	247.3	38	84	192.8
10	65	80	320.1	55	83	225.5	48	85	175.3
8	83	80	254.3	70	83	181.0	62	84	140.3
6	108	81	232.8	90	84	163.9	79	85	127.5
4	139	82	210.6	116	85	147.7	102	86	113.5
2	179	83	188.1	149	85	131.4	131	86	101.1
1	202	82	159.5	169	85	112.0	149	86	86.6
1/0	230	83	150.8	192	85	105.7	169	86	81.3
2/0	261	83	142.2	218	85	99.4	191	86	76.5
3/0	297	84	133.7	248	86	93.2	217	87	71.8
4/0	337	84	125.6	281	86	87.1	246	87	67.2
250	369	84	114.2	308	86	79.6	270	87	61.4
300	407	84	108.6	340	86	75.7	298	87	58.1
350	444	84	104.2	370	86	72.4	324	87	55.5
400	477	85	100.2	398	86	69.5	348	87	53.5
500	539	85	94.1	449	87	65.0	393	87	49.9
600	594	85	86.1	495	86	59.7	434	87	45.8
750	670	85	80.6	558	87	55.9	489	87	42.9
1000	780	86	74.0	649	87	51.2	568	88	39.3

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

90°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	45	81	280.6	38	84	196.8	33	85	150.3
10	58	82	255.9	49	85	177.6	43	86	135.5
8	74	82	202.7	62	84	141.2	54	86	107.7
6	96	83	183.7	79	85	127.5	69	86	97.4
4	123	84	164.1	102	86	112.8	89	87	86.2
2	157	85	145.5	130	86	99.9	114	87	75.9
1	178	84	122.8	147	86	84.6	129	87	64.6
1/0	201	84	115.6	167	86	79.5	145	87	60.5
2/0	228	85	108.5	189	87	74.4	165	87	56.5
3/0	258	85	101.6	214	87	69.5	186	88	52.7
4/0	293	86	94.8	242	87	64.7	211	88	49.0
250	320	85	85.9	264	87	58.8	230	88	44.7
300	352	86	81.3	291	87	55.5	254	88	42.0
350	383	86	77.7	316	87	52.8	275	88	40.1
400	411	86	74.5	339	87	50.6	295	88	38.3
500	463	86	69.4	382	88	47.0	332	88	35.8
600	509	86	63.1	420	87	43.0	366	88	32.7
750	572	86	58.9	472	88	39.9	411	88	30.2
1000	663	87	53.5	546	88	36.3	475	88	27.4

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	47	71	293.9	40	73	210.1	35	75	163.6
10	61	72	269.9	51	74	191.6	45	76	148.4
8	78	71	215.4	66	74	152.9	58	75	118.5
6	101	72	197.1	84	75	138.6	74	76	107.7
4	130	73	177.8	109	75	125.1	95	76	96.4
2	167	74	158.9	140	76	111.0	123	77	85.3
1	189	73	135.0	158	75	94.9	139	76	72.9
1/0	215	74	127.8	180	76	89.4	158	77	68.6
2/0	244	74	120.1	204	76	84.0	179	77	64.4
3/0	277	75	113.1	231	76	78.7	203	77	60.7
4/0	315	75	106.4	263	77	73.8	230	77	56.7
250	344	75	96.6	287	76	67.3	252	77	51.9
300	381	75	91.9	318	77	64.0	278	77	49.3
350	415	75	88.2	346	77	61.1	303	78	47.0
400	446	75	84.9	372	77	58.7	326	78	45.1
500	504	76	79.7	419	77	55.2	367	78	42.2
600	555	76	72.9	463	77	50.6	405	78	38.9
750	626	76	68.4	521	77	47.2	456	78	36.4
1000	729	76	62.6	606	77	43.3	530	78	33.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

80°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	43	73	238.0	36	75	166.2	31	76	127.7
10	55	74	216.2	45	76	150.7	40	77	114.5
8	70	73	171.0	58	75	119.4	51	76	91.4
6	89	74	155.2	74	76	107.7	65	77	82.3
4	115	75	138.8	95	76	95.7	83	77	73.2
2	147	76	123.3	122	77	84.1	106	78	64.3
1	166	75	104.2	138	77	71.4	120	77	54.8
1/0	188	75	98.0	156	77	67.3	136	78	51.0
2/0	213	76	91.9	176	77	62.8	154	78	47.8
3/0	242	76	86.0	200	77	58.8	174	78	44.7
4/0	274	76	80.1	226	78	54.6	197	78	41.6
250	299	76	72.7	247	77	49.7	215	78	37.8
300	329	76	68.7	272	77	47.0	237	78	35.5
350	358	76	65.5	295	78	44.8	257	78	34.0
400	384	77	62.9	317	78	42.7	276	78	32.5
500	433	77	58.6	357	78	39.8	310	78	30.2
600	476	77	53.4	392	78	36.3	342	78	27.7
750	535	77	49.8	441	78	33.8	383	78	25.7
1000	619	77	45.3	510	78	30.7	443	79	23.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	45	67	267.3	38	69	190.2	34	70	147.6
10	59	68	245.4	49	70	174.1	43	71	134.4
8	75	67	195.4	63	69	139.3	56	71	107.7
6	97	68	178.9	81	70	126.7	71	71	97.4
4	125	69	162.1	104	71	113.5	92	72	87.5
2	161	70	144.9	134	71	101.1	118	72	77.7
1	182	69	122.8	152	71	86.1	134	72	66.5
1/0	206	69	116.1	173	71	81.3	152	72	62.8
2/0	235	70	109.3	196	71	76.5	172	72	58.6
3/0	267	70	103.2	222	72	71.8	195	72	55.0
4/0	303	71	96.6	253	72	67.2	221	73	51.4
250	331	70	87.8	276	72	61.4	242	72	47.2
300	366	70	83.7	305	72	58.1	268	73	44.6
350	399	71	80.1	332	72	55.5	291	73	42.8
400	429	71	77.1	357	72	53.5	313	73	41.2
500	484	71	72.2	403	72	50.2	353	73	38.4
600	534	71	66.2	445	72	46.1	389	73	35.2
750	602	71	62.0	501	72	43.1	439	73	33.0
1000	700	72	57.0	582	73	39.5	509	73	30.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

75°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	41	68	215.4	34	70	150.3	30	71	115.7
10	52	69	196.3	44	71	136.7	38	72	105.2
8	67	69	155.6	56	71	108.6	49	72	83.2
6	86	70	140.9	71	71	97.4	62	72	74.4
4	110	70	126.5	91	72	86.8	80	73	66.3
2	141	71	112.2	117	72	76.5	102	73	58.4
1	160	70	94.4	132	72	65.1	116	73	49.4
1/0	181	71	89.0	150	72	61.0	131	73	46.5
2/0	205	71	83.6	170	72	57.0	148	73	43.2
3/0	232	71	77.9	192	73	53.5	167	73	40.5
4/0	263	72	72.8	217	73	49.7	189	73	37.8
250	287	71	66.1	237	73	45.3	207	73	34.3
300	317	72	62.5	262	73	42.6	228	73	32.3
350	344	72	59.7	284	73	40.6	247	73	30.9
400	369	72	57.2	305	73	39.1	265	73	29.6
500	416	72	53.3	343	73	36.2	298	74	27.4
600	457	72	48.7	377	73	33.1	328	73	25.1
750	514	72	45.3	423	73	30.8	368	74	23.3
1000	595	73	41.2	490	73	27.9	426	74	21.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	41	58	214.1	35	60	152.9	31	61	118.3
10	53	59	196.3	45	61	139.0	39	62	107.5
8	68	59	156.5	57	61	111.3	51	62	86.0
6	88	60	143.3	74	61	101.3	65	62	78.4
4	113	60	129.2	95	62	90.9	83	62	69.7
2	146	61	115.7	122	62	80.6	107	63	61.9
1	165	60	98.3	138	62	69.0	122	62	53.3
1/0	188	61	93.0	157	62	65.0	138	63	50.1
2/0	213	61	87.7	178	62	61.1	156	63	47.0
3/0	242	61	82.5	202	62	57.3	177	63	43.9
4/0	276	61	77.3	230	63	53.9	201	63	41.3
250	301	61	70.5	251	62	49.1	220	63	37.8
300	333	61	66.9	278	63	46.7	243	63	35.8
350	362	62	64.1	302	63	44.5	265	63	34.3
400	390	62	61.6	325	63	42.7	285	63	32.8
500	440	62	57.8	366	63	40.1	321	63	30.7
600	485	62	53.0	404	63	36.8	354	63	28.3
750	547	62	49.6	455	63	34.4	399	63	26.5
1000	636	62	45.6	529	63	31.6	463	64	24.2

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

65°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	37	60	172.9	31	61	121.0	27	62	93.1
10	48	60	157.7	40	62	109.8	35	63	84.1
8	61	60	124.9	51	62	86.9	44	62	67.0
6	78	61	113.2	65	62	78.4	57	63	60.2
4	100	61	101.2	83	62	69.7	73	63	53.3
2	129	62	89.4	106	63	61.3	93	63	46.7
1	145	61	75.8	120	62	51.9	105	63	39.6
1/0	164	62	71.3	136	63	48.8	119	63	37.0
2/0	186	62	66.9	154	63	45.7	134	63	34.9
3/0	211	62	62.7	175	63	42.8	152	64	32.5
4/0	239	62	58.4	198	63	39.9	172	64	30.1
250	261	62	52.9	216	63	36.2	188	64	27.4
300	288	62	50.2	238	63	34.0	207	64	25.8
350	313	62	47.8	258	63	32.6	225	64	24.6
400	336	63	45.9	277	63	31.2	241	64	23.6
500	378	63	42.7	312	64	29.0	271	64	22.1
600	416	63	38.9	343	63	26.4	298	64	20.1
750	467	63	36.2	385	64	24.7	335	64	18.6
1000	540	63	33.0	445	64	22.3	387	64	16.8

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					75% LF				
12	34	46	134.3	28	47	95.7	25	48	74.5
10	43	46	122.7	36	47	86.5	32	48	67.8
8	55	46	97.7	47	47	69.7	41	48	54.3
6	71	47	89.5	60	48	63.3	53	48	49.1
4	92	47	80.7	77	48	56.8	68	48	43.8
2	119	47	72.4	99	48	50.2	87	49	38.6
1	134	47	61.2	112	48	43.0	99	48	33.3
1/0	152	47	57.8	127	48	40.6	112	49	31.2
2/0	173	47	54.9	145	48	38.2	127	49	29.5
3/0	197	48	51.6	164	48	35.9	144	49	27.5
4/0	224	48	48.3	186	49	33.6	163	49	25.9
250	244	48	44.0	204	48	30.5	179	49	23.6
300	270	48	41.7	225	48	29.1	198	49	22.3
350	294	48	40.1	245	49	27.9	215	49	21.3
400	316	48	38.5	263	49	26.7	231	49	20.5
500	357	48	36.2	297	49	25.0	260	49	19.2
600	393	48	33.1	328	49	22.9	287	49	17.7
750	443	48	31.0	369	49	21.5	323	49	16.4
1000	515	48	28.4	428	49	19.6	375	49	15.1

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

Direct Buried - Triplexed - Double Circuit

25°C Earth Ambient

50°C - Aluminum Conductor - Concentric Strand

Condr Size	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
					100% LF				
12	30	47	107.7	25	48	75.8	22	48	58.5
10	39	47	98.1	32	48	67.8	28	48	52.6
8	49	47	77.8	41	48	54.3	36	48	41.6
6	63	47	70.5	53	48	49.1	46	49	37.2
4	81	48	62.9	67	48	43.8	59	49	33.5
2	104	48	56.1	86	49	38.6	75	49	29.2
1	118	48	47.5	98	48	32.8	85	49	24.9
1/0	133	48	44.7	111	49	30.7	96	49	23.0
2/0	151	48	41.6	125	49	28.7	109	49	21.6
3/0	171	48	39.0	142	49	26.7	123	49	20.2
4/0	194	48	36.4	160	49	24.8	140	49	18.9
250	212	48	33.0	175	49	22.7	153	49	17.0
300	234	48	31.4	193	49	21.4	168	49	16.1
350	254	48	29.8	209	49	20.4	182	49	15.5
400	273	49	28.6	225	49	19.4	196	49	14.7
500	307	49	26.6	253	49	18.2	220	49	13.7
600	337	49	24.2	278	49	16.7	242	49	12.5
750	378	49	22.7	312	49	15.4	271	49	11.7
1000	438	49	20.5	360	49	14.0	313	49	10.5

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Conduit in Air - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Aluminum Conductor - Concentric Strand				
12	22	23	16	19
10	29	30	21	24
8	39	40	28	33
6	50	52	37	43
4	66	69	49	56
2	87	91	65	74
1	102	107	76	88
1/0	117	123	87	101
2/0	135	141	100	116
3/0	162	168	118	134
4/0	186	193	136	155
250	208	216	152	173
300	233	242	170	194
350	255	266	187	213
400	277	289	203	231
500	317	331	232	265
600	369	384	267	302
750	423	440	306	346
1000	501	522	363	411

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable in Conduit in Air - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Aluminum Conductor - Concentric Strand				
12	19	19	11	14
10	24	25	14	18
8	33	34	18	24
6	43	44	24	32
4	56	58	32	42
2	73	77	42	55
1	86	90	49	65
1/0	99	104	56	75
2/0	114	120	65	86
3/0	136	142	74	98
4/0	157	163	86	113
250	175	183	96	126
300	196	205	107	141
350	215	225	118	155
400	233	244	128	168
500	267	280	146	193
600	311	324	165	216
750	355	371	189	247
1000	420	440	224	293

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Aluminum Conductor - Concentric Strand				
12	28	37	23	34
10	37	49	30	44
8	52	67	41	59
6	69	88	55	78
4	94	117	74	103
2	127	156	100	136
1	152	183	118	158
1/0	177	212	137	182
2/0	206	246	160	210
3/0	240	285	186	242
4/0	281	330	216	279
250	317	370	243	310
300	358	416	274	348
350	397	460	303	384
400	435	502	331	418
500	505	581	383	481
600	574	655	434	539
750	666	757	502	620
1000	805	910	603	740

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Triplexed

40°C Air Ambient

Condr Size	No Sun		Full Sun	
	0 Ft/s	2 Ft/s	0 Ft/s	2 Ft/s
75°C - Aluminum Conductor - Concentric Strand				
12	23	32	16	27
10	31	42	21	36
8	43	57	29	47
6	57	75	38	62
4	77	100	50	81
2	105	133	67	107
1	126	156	79	123
1/0	146	180	92	141
2/0	171	209	106	162
3/0	199	242	123	186
4/0	233	281	142	214
250	263	314	159	237
300	297	353	179	265
350	330	391	197	291
400	361	426	215	316
500	419	493	247	362
600	476	556	278	404
750	553	642	319	462
1000	668	770	381	547

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Aluminum Conductor - Concentric Strand				
12	34	49	28	45
10	45	64	38	60
8	63	86	52	79
6	84	114	69	104
4	113	152	92	138
2	154	202	124	183
1	183	234	147	210
1/0	213	271	170	242
2/0	248	314	198	279
3/0	289	364	230	322
4/0	338	422	268	372
250	380	468	300	410
300	430	526	339	460
350	477	581	375	506
400	522	634	410	550
500	607	732	475	632
600	688	819	536	703
750	800	946	621	808
1000	971	1138	750	965

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Free Air - Single Isolated Cable

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Aluminum Conductor - Concentric Strand				
12	28	42	20	37
10	38	55	27	49
8	52	73	37	64
6	70	97	49	85
4	94	129	65	112
2	127	173	87	148
1	152	200	102	169
1/0	177	231	118	194
2/0	206	268	137	223
3/0	240	310	159	257
4/0	281	360	184	296
250	316	399	205	325
300	357	448	231	363
350	397	495	255	398
400	434	540	277	432
500	505	623	320	494
600	572	698	359	548
750	665	805	414	626
1000	807	968	497	743

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable

in Unventilated Riser - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
90°C - Aluminum Conductor - Concentric Strand				
12	20	21	17	19
10	27	28	22	25
8	36	39	31	35
6	48	52	41	47
4	63	69	54	63
2	84	92	71	84
1	98	109	83	99
1/0	112	125	96	115
2/0	129	144	110	132
3/0	162	177	138	157
4/0	186	204	159	181
250	207	228	177	203
300	231	255	197	227
350	253	280	216	250
400	274	303	234	271
500	313	346	267	310
600	372	406	317	359
750	422	462	361	410
1000	495	543	422	486

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0.6 to 5 kV Unshielded Single Conductor Extruded Dielectric Cable in Unventilated Riser - Triplexed

40°C Air Ambient

Condr Size	No Sun 0 Ft/s	No Sun 2 Ft/s	Full Sun 0 Ft/s	Full Sun 2 Ft/s
75°C - Aluminum Conductor - Concentric Strand				
12	17	18	12	15
10	22	24	16	19
8	30	33	22	27
6	40	43	29	36
4	52	57	39	48
2	69	76	51	65
1	81	90	61	77
1/0	93	104	70	89
2/0	106	120	81	102
3/0	134	147	99	119
4/0	154	169	114	138
250	171	189	128	155
300	191	211	143	173
350	209	232	157	191
400	226	252	170	207
500	257	288	195	238
600	306	337	230	272
750	348	384	262	312
1000	406	451	310	369

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