115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - One Circuit

25°C Earth Ambient

Condr Size	Pipe ID	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 .0010 pf & Rho 60	90	120
		85°C - Copper Conductor - Compact Round Strand								
350	4.026	512	474	471	425	438	388	0.8	1.0	1.2
500	4.026	622	573	568	511	527	464	0.9	1.1	1.4
750	5.047	781	713	712	632	659	573	0.9	1.2	1.5
1000	5.047	893	811	809	714	746	644	1.0	1.3	1.6
1250	5.047	977	883	882	775	810	697	1.1	1.4	1.8
		85°C - Copper Conductor - Compact Segmental Strand								
1000	5.047	940	851	850	748	782	673	1.1	1.4	1.7
1250	5.047	1046	942	941	825	863	740	1.1	1.5	1.8
1500	6.125	1155	1032	1039	901	953	807	1.1	1.5	1.9
1750	6.125	1231	1096	1103	952	1009	852	1.2	1.6	2.0
2000	6.125	1294	1148	1156	995	1056	889	1.3	1.7	2.1
2250	6.125	1344	1190	1199	1029	1092	918	1.3	1.7	2.2
2500	6.125	1390	1228	1237	1059	1125	944	1.3	1.8	2.2
2750	8.125	1476	1285	1316	1108	1201	987	1.3	1.7	2.1
3000	8.125	1507	1311	1343	1128	1223	1003	1.3	1.8	2.2

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - One Circuit

25°C Earth Ambient

Condr Size	Pipe ID	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
		Total Watts/ft					
		85°C - Copper Conductor - Compact Round Strand					
350	4.026	32.0	27.5	27.2	22.2	23.5	18.6
500	4.026	34.3	29.2	28.7	23.3	24.7	19.3
750	5.047	38.9	32.5	32.4	25.7	27.9	21.2
1000	5.047	41.4	34.2	34.1	26.7	29.1	21.8
1250	5.047	43.2	35.4	35.4	27.5	29.9	22.3
		85°C - Copper Conductor - Compact Segmental Strand					
1000	5.047	42.5	35.0	34.9	27.2	29.6	22.1
1250	5.047	44.5	36.2	36.1	27.9	30.5	22.6
1500	6.125	48.6	39.0	39.5	29.9	33.4	24.1
1750	6.125	50.3	40.0	40.5	30.4	34.1	24.5
2000	6.125	51.7	40.9	41.4	30.9	34.7	24.8
2250	6.125	52.8	41.6	42.2	31.4	35.2	25.1
2500	6.125	53.9	42.3	42.9	31.7	35.6	25.4
2750	8.125	60.9	46.4	48.6	34.8	40.7	27.8
3000	8.125	61.8	47.0	49.3	35.1	41.1	28.0

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - One Circuit

25°C Earth Ambient

Condr Size	Pipe ID	OD	Wd	Rac	Qs	Qe	Ri	Rj	Rsd	Rd	Re @ 90 Rho & loss factor 75%	Re @ 90 Rho & loss factor 100%
					85°C - Copper Conductor - Compact Round Strand							
350	4.026	1.396	0.14	38.51	1.014	1.043	2.00	0.00	1.24	0.19	3.31	4.84
500	4.026	1.516	0.16	27.44	1.017	1.061	1.75	0.00	1.16	0.19	3.31	4.84
750	5.047	1.688	0.19	19.09	1.024	1.098	1.48	0.00	1.07	0.16	3.02	4.55
1000	5.047	1.840	0.21	15.15	1.027	1.124	1.31	0.00	1.00	0.16	3.02	4.55
1250	5.047	1.965	0.23	12.96	1.029	1.146	1.19	0.00	0.95	0.16	3.02	4.55
					85°C - Copper Conductor - Compact Segmental Strand							
1000	5.047	1.920	0.22	13.90	1.028	1.136	1.23	0.00	0.97	0.16	3.02	4.55
1250	5.047	2.040	0.24	11.43	1.031	1.166	1.13	0.00	0.92	0.16	3.02	4.55
1500	6.125	2.155	0.26	9.84	1.036	1.216	1.05	0.00	0.88	0.13	2.78	4.31
1750	6.125	2.260	0.28	8.74	1.039	1.245	0.99	0.00	0.84	0.13	2.78	4.31
2000	6.125	2.350	0.29	7.96	1.040	1.271	0.94	0.00	0.81	0.13	2.78	4.31
2250	6.125	2.445	0.31	7.41	1.041	1.293	0.89	0.00	0.78	0.13	2.78	4.31
2500	6.125	2.520	0.32	6.95	1.041	1.314	0.86	0.00	0.76	0.13	2.78	4.31
2750	8.125	2.610	0.33	6.59	1.047	1.392	0.82	0.00	0.75	0.10	2.41	3.95
3000	8.125	2.690	0.34	6.33	1.047	1.410	0.79	0.00	0.73	0.10	2.41	3.95

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 24 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	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 .0010 pf & Rho 60	90	120
		85°C - Copper Conductor - Compact Round Strand								
350	4.026	485	440	439	388	404	351	0.9	1.2	1.5
500	4.026	586	529	528	464	483	418	1.0	1.4	1.7
750	5.047	731	653	655	569	599	510	1.1	1.5	1.9
1000	5.047	832	739	741	641	674	572	1.2	1.7	2.1
1250	5.047	908	802	805	693	730	617	1.3	1.8	2.3
		85°C - Copper Conductor - Compact Segmental Strand								
1000	5.047	875	774	777	669	705	597	1.3	1.8	2.2
1250	5.047	969	854	857	736	776	654	1.4	1.9	2.4
1500	6.125	1064	929	939	798	849	708	1.4	1.9	2.4
1750	6.125	1130	983	994	842	897	746	1.5	2.0	2.6
2000	6.125	1184	1028	1039	878	936	777	1.6	2.1	2.7
2250	6.125	1228	1063	1075	906	966	800	1.6	2.2	2.8
2500	6.125	1268	1095	1107	931	994	822	1.7	2.3	2.9
2750	8.125	1331	1135	1163	964	1046	850	1.6	2.3	2.9
3000	8.125	1358	1156	1184	980	1063	863	1.7	2.3	3.0

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 24 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
		Total Watts/ft					
85°C - Copper Conductor - Compact Round Strand							
350	4.026	57.5	47.5	47.3	37.1	40.2	30.5
500	4.026	60.9	49.8	49.6	38.6	41.7	31.5
750	5.047	68.3	54.7	55.1	41.8	46.2	33.8
1000	5.047	72.0	57.1	57.4	43.2	47.7	34.7
1250	5.047	74.9	58.7	59.1	44.2	48.9	35.3
85°C - Copper Conductor - Compact Segmental Strand							
1000	5.047	73.9	58.1	58.5	43.7	48.4	35.1
1250	5.047	76.5	59.8	60.2	44.8	49.6	35.6
1500	6.125	82.8	63.5	64.8	47.3	53.3	37.5
1750	6.125	85.0	64.7	66.2	47.9	54.2	38.0
2000	6.125	86.8	65.9	67.2	48.5	54.9	38.4
2250	6.125	88.5	66.8	68.3	49.0	55.5	38.6
2500	6.125	90.0	67.6	69.1	49.4	56.1	38.9
2750	8.125	99.4	72.9	76.4	53.1	62.2	41.7
3000	8.125	100.8	73.6	77.1	53.5	62.6	41.9

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 24 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	OD	Wd	Rac	Qs	Qe	Ri	Rj	Rsd	Rd	Re @ 90 Rho & loss factor 75%	100%
					85°C - Copper Conductor - Compact Round Strand							
350	4.026	1.396	0.14	38.51	1.014	1.043	2.00	0.00	1.20	0.19	3.65	5.38
500	4.026	1.516	0.16	27.44	1.017	1.061	1.75	0.00	1.13	0.19	3.65	5.38
750	5.047	1.688	0.19	19.09	1.024	1.098	1.48	0.00	1.04	0.16	3.36	5.09
1000	5.047	1.840	0.21	15.15	1.027	1.124	1.31	0.00	0.97	0.16	3.36	5.09
1250	5.047	1.965	0.23	12.96	1.029	1.146	1.19	0.00	0.92	0.16	3.36	5.09
					85°C - Copper Conductor - Compact Segmental Strand							
1000	5.047	1.920	0.22	13.90	1.028	1.136	1.23	0.00	0.94	0.16	3.36	5.09
1250	5.047	2.040	0.24	11.43	1.031	1.166	1.13	0.00	0.89	0.16	3.36	5.09
1500	6.125	2.155	0.26	9.84	1.036	1.216	1.05	0.00	0.85	0.13	3.11	4.85
1750	6.125	2.260	0.28	8.74	1.039	1.245	0.99	0.00	0.82	0.13	3.11	4.85
2000	6.125	2.350	0.29	7.96	1.040	1.271	0.94	0.00	0.79	0.13	3.11	4.85
2250	6.125	2.445	0.31	7.41	1.041	1.293	0.89	0.00	0.76	0.13	3.11	4.85
2500	6.125	2.520	0.32	6.95	1.041	1.314	0.86	0.00	0.74	0.13	3.11	4.85
2750	8.125	2.610	0.33	6.59	1.047	1.392	0.82	0.00	0.72	0.10	2.75	4.49
3000	8.125	2.690	0.34	6.33	1.047	1.410	0.79	0.00	0.70	0.10	2.75	4.49

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 36 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	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 .0010 pf & Rho 60	90	120
		85°C - Copper Conductor - Compact Round Strand								
350	4.026	493	450	448	398	413	361	0.9	1.2	1.4
500	4.026	596	542	539	477	495	430	1.0	1.3	1.6
750	5.047	746	669	671	586	615	527	1.1	1.4	1.8
1000	5.047	850	759	760	660	694	591	1.2	1.6	2.0
1250	5.047	928	824	827	715	752	638	1.3	1.7	2.1
		85°C - Copper Conductor - Compact Segmental Strand								
1000	5.047	893	795	797	690	726	617	1.2	1.6	2.1
1250	5.047	991	878	880	759	800	677	1.3	1.8	2.2
1500	6.125	1089	957	966	825	877	734	1.3	1.8	2.3
1750	6.125	1158	1013	1024	871	927	774	1.4	1.9	2.4
2000	6.125	1215	1060	1071	909	968	806	1.5	2.0	2.5
2250	6.125	1261	1097	1108	938	1000	831	1.5	2.1	2.6
2500	6.125	1302	1131	1142	965	1029	854	1.6	2.1	2.7
2750	8.125	1371	1174	1204	1001	1086	885	1.5	2.1	2.6
3000	8.125	1400	1196	1227	1018	1105	899	1.6	2.2	2.7

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 36 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
		Total Watts/ft					
85°C - Copper Conductor - Compact Round Strand							
350	4.026	59.4	49.6	49.2	39.0	41.9	32.2
500	4.026	63.0	52.3	51.7	40.7	43.7	33.2
750	5.047	71.1	57.4	57.7	44.3	48.7	36.0
1000	5.047	75.1	60.1	60.3	45.8	50.5	36.9
1250	5.047	78.1	61.9	62.3	46.9	51.8	37.7
85°C - Copper Conductor - Compact Segmental Strand							
1000	5.047	76.9	61.2	61.5	46.4	51.3	37.4
1250	5.047	80.0	63.1	63.4	47.5	52.6	38.1
1500	6.125	86.7	67.3	68.5	50.4	56.7	40.2
1750	6.125	89.2	68.7	70.1	51.2	57.8	40.8
2000	6.125	91.3	69.9	71.3	51.9	58.6	41.2
2250	6.125	93.3	71.0	72.4	52.4	59.3	41.5
2500	6.125	94.8	72.0	73.4	52.9	59.9	41.9
2750	8.125	105.4	77.8	81.7	57.1	66.9	45.1
3000	8.125	107.0	78.6	82.7	57.5	67.4	45.3

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 36 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	OD	Wd	Rac	Qs	Qe	Ri	Rj	Rsd	Rd	Re @ 90 Rho & loss factor 75%	Re @ 90 Rho & loss factor 100%
					85°C - Copper Conductor - Compact Round Strand							
350	4.026	1.396	0.14	38.51	1.014	1.043	2.00	0.00	1.21	0.19	3.54	5.22
500	4.026	1.516	0.16	27.44	1.017	1.061	1.75	0.00	1.14	0.19	3.54	5.22
750	5.047	1.688	0.19	19.09	1.024	1.098	1.48	0.00	1.05	0.16	3.25	4.93
1000	5.047	1.840	0.21	15.15	1.027	1.124	1.31	0.00	0.98	0.16	3.25	4.93
1250	5.047	1.965	0.23	12.96	1.029	1.146	1.19	0.00	0.92	0.16	3.25	4.93
					85°C - Copper Conductor - Compact Segmental Strand							
1000	5.047	1.920	0.22	13.90	1.028	1.136	1.23	0.00	0.94	0.16	3.25	4.93
1250	5.047	2.040	0.24	11.43	1.031	1.166	1.13	0.00	0.90	0.16	3.25	4.93
1500	6.125	2.155	0.26	9.84	1.036	1.216	1.05	0.00	0.86	0.13	3.01	4.69
1750	6.125	2.260	0.28	8.74	1.039	1.245	0.99	0.00	0.82	0.13	3.01	4.69
2000	6.125	2.350	0.29	7.96	1.040	1.271	0.94	0.00	0.79	0.13	3.01	4.69
2250	6.125	2.445	0.31	7.41	1.041	1.293	0.89	0.00	0.77	0.13	3.01	4.69
2500	6.125	2.520	0.32	6.95	1.041	1.314	0.86	0.00	0.75	0.13	3.01	4.69
2750	8.125	2.610	0.33	6.59	1.047	1.392	0.82	0.00	0.73	0.10	2.65	4.32
3000	8.125	2.690	0.34	6.33	1.047	1.410	0.79	0.00	0.71	0.10	2.65	4.32

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - One Circuit

25°C Earth Ambient

Condr Size	Pipe ID	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 .0010 pf & Rho 60	90	120
				85°C - Aluminum Conductor - Compact Round Strand						
350	4.026	402	373	370	335	345	306	0.8	1.0	1.2
500	4.026	492	454	451	405	418	369	0.9	1.1	1.4
750	5.047	629	575	575	510	532	463	0.9	1.2	1.5
1000	5.047	734	667	666	589	614	531	1.0	1.3	1.6
1250	5.047	820	742	741	652	682	587	1.1	1.4	1.8
				85°C - Aluminum Conductor - Compact Segmental Strand						
1000	5.047	754	684	683	603	629	543	1.1	1.4	1.7
1250	5.047	849	767	766	673	703	605	1.1	1.5	1.8
1500	6.125	951	853	858	746	789	670	1.2	1.5	1.9
1750	6.125	1029	918	924	801	847	718	1.2	1.6	2.0
2000	6.125	1097	976	983	849	899	759	1.3	1.7	2.1
2250	6.125	1154	1025	1032	888	942	793	1.3	1.7	2.2
2500	6.125	1209	1071	1078	926	983	826	1.3	1.8	2.2
2750	8.125	1301	1137	1164	983	1064	877	1.3	1.7	2.1
3000	8.125	1344	1171	1200	1011	1095	901	1.3	1.8	2.2
3250	8.125	1385	1206	1235	1039	1126	924	1.4	1.8	2.3
3500	8.125	1426	1238	1269	1064	1154	945	1.4	1.9	2.4
3750	8.125	1461	1266	1297	1086	1179	964	1.4	1.9	2.4
4000	8.125	1493	1291	1324	1106	1201	981	1.5	2.0	2.5

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - One Circuit

25°C Earth Ambient

Condr Size	Pipe ID	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
		Total Watts/ft					
85°C - Aluminum Conductor - Compact Round Strand							
350	4.026	31.7	27.4	26.9	22.2	23.5	18.6
500	4.026	33.8	28.9	28.5	23.1	24.6	19.2
750	5.047	38.3	32.1	32.1	25.4	27.6	21.0
1000	5.047	40.7	33.8	33.7	26.5	28.7	21.6
1250	5.047	42.5	34.9	34.8	27.1	29.6	22.1
85°C - Aluminum Conductor - Compact Segmental Strand							
1000	5.047	41.7	34.4	34.3	26.9	29.2	21.9
1250	5.047	43.4	35.6	35.5	27.5	30.0	22.4
1500	6.125	47.3	38.2	38.6	29.4	32.8	23.9
1750	6.125	49.0	39.2	39.7	30.0	33.5	24.3
2000	6.125	50.3	40.0	40.5	30.5	34.1	24.5
2250	6.125	51.5	40.8	41.4	30.9	34.6	24.8
2500	6.125	52.6	41.5	42.0	31.2	35.1	25.0
2750	8.125	59.2	45.4	47.6	34.2	39.9	27.4
3000	8.125	60.3	46.1	48.3	34.6	40.4	27.7
3250	8.125	61.3	46.7	49.0	35.0	40.9	27.9
3500	8.125	62.6	47.4	49.8	35.3	41.4	28.1
3750	8.125	63.5	48.0	50.3	35.6	41.7	28.3
4000	8.125	64.4	48.5	50.9	35.9	42.1	28.5

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - One Circuit

25°C Earth Ambient

Condr Size	Pipe ID	OD	Wd	Rac	Qs	Qe	Ri	Rj	Rsd	Rd	Re @ 90 Rho & loss factor 75%	100%
					85°C - Aluminum Conductor - Compact Round Strand							
350	4.026	1.396	0.14	62.87	1.008	1.027	2.00	0.00	1.24	0.19	3.31	4.84
500	4.026	1.516	0.16	44.26	1.011	1.038	1.75	0.00	1.16	0.19	3.31	4.84
750	5.047	1.688	0.19	29.93	1.015	1.063	1.48	0.00	1.07	0.16	3.02	4.55
1000	5.047	1.840	0.21	22.94	1.018	1.082	1.31	0.00	1.01	0.16	3.02	4.55
1250	5.047	1.965	0.23	18.84	1.020	1.100	1.19	0.00	0.95	0.16	3.02	4.55
					85°C - Aluminum Conductor - Compact Segmental Strand							
1000	5.047	1.920	0.22	22.15	1.017	1.085	1.23	0.00	0.97	0.16	3.02	4.55
1250	5.047	2.040	0.24	17.85	1.020	1.106	1.13	0.00	0.92	0.16	3.02	4.55
1500	6.125	2.155	0.26	15.01	1.024	1.142	1.05	0.00	0.89	0.13	2.78	4.31
1750	6.125	2.260	0.28	13.01	1.026	1.165	0.99	0.00	0.85	0.13	2.78	4.31
2000	6.125	2.350	0.29	11.53	1.028	1.187	0.94	0.00	0.82	0.13	2.78	4.31
2250	6.125	2.445	0.31	10.50	1.029	1.207	0.89	0.00	0.79	0.13	2.78	4.31
2500	6.125	2.520	0.32	9.59	1.030	1.227	0.86	0.00	0.77	0.13	2.78	4.31
2750	8.125	2.610	0.33	8.87	1.035	1.291	0.82	0.00	0.75	0.10	2.41	3.95
3000	8.125	2.690	0.34	8.35	1.035	1.311	0.79	0.00	0.73	0.10	2.41	3.95
3250	8.125	2.765	0.36	7.85	1.036	1.333	0.77	0.00	0.71	0.10	2.41	3.95
3500	8.125	2.865	0.37	7.44	1.037	1.354	0.73	0.00	0.69	0.10	2.41	3.95
3750	8.125	2.930	0.38	7.09	1.037	1.374	0.71	0.00	0.67	0.10	2.41	3.95
4000	8.125	3.005	0.39	6.79	1.038	1.393	0.69	0.00	0.66	0.10	2.41	3.95

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 24 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	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 .0010 pf & Rho 60	90	120
				85°C - Aluminum Conductor - Compact Round Strand						
350	4.026	381	346	345	306	318	276	0.9	1.2	1.5
500	4.026	465	420	418	368	384	332	1.0	1.4	1.7
750	5.047	589	527	529	460	484	413	1.1	1.5	1.9
1000	5.047	684	608	610	528	556	472	1.2	1.7	2.1
1250	5.047	763	675	677	584	615	521	1.3	1.8	2.3
				85°C - Aluminum Conductor - Compact Segmental Strand						
1000	5.047	703	623	625	540	569	482	1.3	1.8	2.2
1250	5.047	789	696	699	601	633	535	1.4	1.9	2.4
1500	6.125	878	769	777	662	704	589	1.4	1.9	2.4
1750	6.125	946	826	835	709	755	629	1.5	2.0	2.6
2000	6.125	1007	876	885	750	799	664	1.6	2.1	2.7
2250	6.125	1057	917	927	783	835	693	1.6	2.2	2.8
2500	6.125	1105	957	967	816	870	721	1.7	2.3	2.9
2750	8.125	1177	1007	1031	857	929	757	1.6	2.3	2.9
3000	8.125	1213	1036	1061	880	954	776	1.7	2.3	3.0
3250	8.125	1250	1064	1090	903	979	795	1.8	2.4	3.0
3500	8.125	1283	1090	1117	923	1002	812	1.8	2.5	3.2
3750	8.125	1312	1113	1141	941	1022	828	1.8	2.5	3.3
4000	8.125	1339	1134	1162	957	1040	841	1.9	2.6	3.3

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 24 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
		Total Watts/ft					
85°C - Aluminum Conductor - Compact Round Strand							
350	4.026	57.1	47.2	46.9	37.1	40.0	30.3
500	4.026	60.5	49.6	49.1	38.3	41.6	31.3
750	5.047	67.3	54.1	54.5	41.5	45.8	33.7
1000	5.047	70.9	56.3	56.7	42.8	47.3	34.4
1250	5.047	73.8	58.0	58.4	43.8	48.4	35.1
85°C - Aluminum Conductor - Compact Segmental Strand							
1000	5.047	72.6	57.3	57.7	43.4	48.0	34.8
1250	5.047	75.2	58.8	59.3	44.2	48.9	35.3
1500	6.125	80.9	62.4	63.7	46.6	52.5	37.2
1750	6.125	83.1	63.7	65.1	47.4	53.5	37.6
2000	6.125	85.0	64.8	66.1	47.9	54.2	37.9
2250	6.125	86.8	65.7	67.1	48.4	54.8	38.3
2500	6.125	88.1	66.6	67.9	48.9	55.4	38.6
2750	8.125	97.2	71.7	75.0	52.5	61.3	41.4
3000	8.125	98.7	72.5	76.0	52.9	61.8	41.6
3250	8.125	100.3	73.2	76.8	53.4	62.3	41.8
3500	8.125	101.7	74.0	77.6	53.7	62.9	42.1
3750	8.125	102.8	74.6	78.3	54.0	63.3	42.3
4000	8.125	104.1	75.3	79.0	54.3	63.7	42.5

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 24 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	OD	Wd	Rac	Qs	Qe	Ri	Rj	Rsd	Rd	Re @ 90 Rho & loss factor 75%	Re @ 90 Rho & loss factor 100%
85°C - Aluminum Conductor - Compact Round Strand												
350	4.026	1.396	0.14	62.87	1.008	1.027	2.00	0.00	1.21	0.19	3.65	5.38
500	4.026	1.516	0.16	44.26	1.011	1.038	1.75	0.00	1.13	0.19	3.65	5.38
750	5.047	1.688	0.19	29.93	1.015	1.063	1.48	0.00	1.05	0.16	3.36	5.09
1000	5.047	1.840	0.21	22.94	1.018	1.082	1.31	0.00	0.97	0.16	3.36	5.09
1250	5.047	1.965	0.23	18.84	1.020	1.100	1.19	0.00	0.92	0.16	3.36	5.09
85°C - Aluminum Conductor - Compact Segmental Strand												
1000	5.047	1.920	0.22	22.15	1.017	1.085	1.23	0.00	0.94	0.16	3.36	5.09
1250	5.047	2.040	0.24	17.85	1.020	1.106	1.13	0.00	0.89	0.16	3.36	5.09
1500	6.125	2.155	0.26	15.01	1.024	1.142	1.05	0.00	0.86	0.13	3.11	4.85
1750	6.125	2.260	0.28	13.01	1.026	1.165	0.99	0.00	0.82	0.13	3.11	4.85
2000	6.125	2.350	0.29	11.53	1.028	1.187	0.94	0.00	0.79	0.13	3.11	4.85
2250	6.125	2.445	0.31	10.50	1.029	1.207	0.89	0.00	0.76	0.13	3.11	4.85
2500	6.125	2.520	0.32	9.59	1.030	1.227	0.86	0.00	0.74	0.13	3.11	4.85
2750	8.125	2.610	0.33	8.87	1.035	1.291	0.82	0.00	0.73	0.10	2.75	4.49
3000	8.125	2.690	0.34	8.35	1.035	1.311	0.79	0.00	0.71	0.10	2.75	4.49
3250	8.125	2.765	0.36	7.85	1.036	1.333	0.77	0.00	0.69	0.10	2.75	4.49
3500	8.125	2.865	0.37	7.44	1.037	1.354	0.73	0.00	0.67	0.10	2.75	4.49
3750	8.125	2.930	0.38	7.09	1.037	1.374	0.71	0.00	0.65	0.10	2.75	4.49
4000	8.125	3.005	0.39	6.79	1.038	1.393	0.69	0.00	0.64	0.10	2.75	4.49

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 36 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	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 .0010 pf & Rho 60	90	120
		85°C - Aluminum Conductor - Compact Round Strand								
350	4.026	387	354	352	314	325	284	0.9	1.2	1.4
500	4.026	472	430	428	378	393	342	1.0	1.3	1.6
750	5.047	601	540	542	474	497	426	1.1	1.4	1.8
1000	5.047	698	625	626	545	572	488	1.2	1.6	2.0
1250	5.047	779	694	695	602	633	538	1.3	1.7	2.1
		85°C - Aluminum Conductor - Compact Segmental Strand								
1000	5.047	717	640	642	557	585	498	1.2	1.6	2.1
1250	5.047	806	716	717	620	653	554	1.3	1.8	2.2
1500	6.125	899	792	800	685	727	610	1.3	1.8	2.3
1750	6.125	969	851	860	733	780	652	1.4	1.9	2.4
2000	6.125	1032	903	912	776	826	689	1.5	2.0	2.5
2250	6.125	1084	947	956	811	864	719	1.5	2.1	2.6
2500	6.125	1134	988	997	845	900	749	1.6	2.1	2.7
2750	8.125	1211	1041	1067	890	964	788	1.5	2.1	2.6
3000	8.125	1249	1071	1098	914	991	808	1.6	2.2	2.7
3250	8.125	1287	1101	1129	938	1017	828	1.6	2.2	2.8
3500	8.125	1323	1129	1158	960	1042	847	1.7	2.3	2.9
3750	8.125	1353	1153	1183	979	1063	863	1.7	2.4	3.0
4000	8.125	1382	1175	1205	996	1082	877	1.8	2.4	3.1

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 36 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	60 Rho 75 LF	60 Rho 100 LF	90 Rho 75 LF	90 Rho 100 LF	120 Rho 75 LF	120 Rho 100 LF
		Total Watts/ft					
85°C - Aluminum Conductor - Compact Round Strand							
350	4.026	58.9	49.4	48.8	39.0	41.8	32.1
500	4.026	62.4	51.9	51.4	40.3	43.5	33.2
750	5.047	70.1	56.8	57.2	44.0	48.3	35.8
1000	5.047	73.8	59.4	59.6	45.5	50.0	36.7
1250	5.047	76.8	61.3	61.4	46.4	51.2	37.4
85°C - Aluminum Conductor - Compact Segmental Strand							
1000	5.047	75.5	60.4	60.8	46.1	50.7	37.1
1250	5.047	78.4	62.2	62.3	47.0	52.0	37.8
1500	6.125	84.7	66.1	67.4	49.8	55.9	39.8
1750	6.125	87.1	67.5	68.9	50.5	57.0	40.3
2000	6.125	89.2	68.7	70.0	51.2	57.8	40.7
2250	6.125	91.1	70.0	71.3	51.8	58.6	41.1
2500	6.125	92.7	70.8	72.1	52.3	59.1	41.5
2750	8.125	102.8	76.5	80.2	56.4	65.9	44.7
3000	8.125	104.5	77.4	81.2	56.9	66.6	44.9
3250	8.125	106.2	78.3	82.2	57.4	67.1	45.2
3500	8.125	108.0	79.3	83.3	57.9	67.9	45.6
3750	8.125	109.2	79.9	84.0	58.3	68.3	45.8
4000	8.125	110.7	80.7	84.7	58.6	68.8	46.0

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115 kV LPP Insulated High Pressure Liquid Filled Pipe Type Cable

Buried - Two Circuits - 36 in. Spacing

25°C Earth Ambient

Condr Size	Pipe ID	OD	Wd	Rac	Qs	Qe	Ri	Rj	Rsd	Rd	Re @ 90 Rho & loss factor 75%	Re @ 90 Rho & loss factor 100%
					85°C - Aluminum Conductor - Compact Round Strand							
350	4.026	1.396	0.14	62.87	1.008	1.027	2.00	0.00	1.21	0.19	3.54	5.22
500	4.026	1.516	0.16	44.26	1.011	1.038	1.75	0.00	1.14	0.19	3.54	5.22
750	5.047	1.688	0.19	29.93	1.015	1.063	1.48	0.00	1.05	0.16	3.25	4.93
1000	5.047	1.840	0.21	22.94	1.018	1.082	1.31	0.00	0.98	0.16	3.25	4.93
1250	5.047	1.965	0.23	18.84	1.020	1.100	1.19	0.00	0.93	0.16	3.25	4.93
					85°C - Aluminum Conductor - Compact Segmental Strand							
1000	5.047	1.920	0.22	22.15	1.017	1.085	1.23	0.00	0.95	0.16	3.25	4.93
1250	5.047	2.040	0.24	17.85	1.020	1.106	1.13	0.00	0.90	0.16	3.25	4.93
1500	6.125	2.155	0.26	15.01	1.024	1.142	1.05	0.00	0.86	0.13	3.01	4.69
1750	6.125	2.260	0.28	13.01	1.026	1.165	0.99	0.00	0.83	0.13	3.01	4.69
2000	6.125	2.350	0.29	11.53	1.028	1.187	0.94	0.00	0.80	0.13	3.01	4.69
2250	6.125	2.445	0.31	10.50	1.029	1.207	0.89	0.00	0.77	0.13	3.01	4.69
2500	6.125	2.520	0.32	9.59	1.030	1.227	0.86	0.00	0.75	0.13	3.01	4.69
2750	8.125	2.610	0.33	8.87	1.035	1.291	0.82	0.00	0.73	0.10	2.65	4.32
3000	8.125	2.690	0.34	8.35	1.035	1.311	0.79	0.00	0.71	0.10	2.65	4.32
3250	8.125	2.765	0.36	7.85	1.036	1.333	0.77	0.00	0.69	0.10	2.65	4.32
3500	8.125	2.865	0.37	7.44	1.037	1.354	0.73	0.00	0.67	0.10	2.65	4.32
3750	8.125	2.930	0.38	7.09	1.037	1.374	0.71	0.00	0.66	0.10	2.65	4.32
4000	8.125	3.005	0.39	6.79	1.038	1.393	0.69	0.00	0.64	0.10	2.65	4.32

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