2620

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable in Underground Duct Bank - 1 Circuit - Three Cables - 12 in Spacing

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho 75 LF | 60 Rho 100 LF | 90 Rho 75 LF | 90 Rho 100 LF | 120 Rho 75 LF | 120 Rho 100 LF | delta Td for .0024 pf & Rho 60 | 90 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|
| **85°C - Copper Conductor - Hollow Core Concentric Strand** | | | | | | | | | | |
| 1000 | Open | 783 | 736 | 721 | 661 | 664 | 598 | 13.3 | 16.0 | 18.8 |
| 1250 | Open | 881 | 825 | 804 | 737 | 738 | 665 | 13.6 | 16.6 | 19.5 |
| 1500 | Open | 967 | 902 | 877 | 798 | 795 | 713 | 15.1 | 18.5 | 21.8 |
| 1750 | Open | 1038 | 968 | 938 | 853 | 849 | 760 | 15.6 | 19.1 | 22.5 |
| 2000 | Open | 1101 | 1025 | 992 | 902 | 896 | 802 | 15.9 | 19.4 | 23.0 |
| 2250 | Open | 1175 | 1090 | 1053 | 957 | 947 | 842 | 16.0 | 19.7 | 23.4 |
| **85°C - Copper Conductor - Hollow Core Segmental Strand** | | | | | | | | | | |
| 2000 | Open | 1117 | 1039 | 1006 | 917 | 909 | 813 | 15.8 | 19.4 | 23.0 |
| 2250 | Open | 1193 | 1107 | 1070 | 973 | 962 | 855 | 16.0 | 19.7 | 23.4 |
| 2500 | Open | 1252 | 1167 | 1127 | 1012 | 1009 | 891 | 16.2 | 20.0 | 23.9 |
| 2750 | Open | 1319 | 1209 | 1174 | 1051 | 1047 | 922 | 16.5 | 20.5 | 24.5 |
| 3000 | Open | 1351 | 1248 | 1201 | 1082 | 1069 | 947 | 16.8 | 20.9 | 24.9 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable in Underground Duct Bank - 1 Circuit - Three Cables - 12 in Spacing

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho 75 LF | 60 Rho 100 LF | 90 Rho 75 LF | 90 Rho 100 LF | 120 Rho 75 LF | 120 Rho 100 LF |
|---|---|---|---|---|---|---|---|
| | | Total Watts/ft | | | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 33.3 | 30.3 | 29.4 | 26.0 | 26.2 | 22.7 |
| 1250 | Open | 34.5 | 31.3 | 30.2 | 26.7 | 26.7 | 23.3 |
| 1500 | Open | 36.2 | 32.7 | 31.5 | 27.7 | 27.5 | 24.0 |
| 1750 | Open | 37.1 | 33.6 | 32.1 | 28.3 | 28.1 | 24.5 |
| 2000 | Open | 37.7 | 34.0 | 32.5 | 28.7 | 28.4 | 24.8 |
| 2250 | Open | 39.4 | 35.4 | 33.7 | 29.7 | 29.3 | 25.4 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 37.7 | 34.0 | 32.5 | 28.8 | 28.4 | 24.8 |
| 2250 | Open | 39.4 | 35.4 | 33.8 | 29.8 | 29.4 | 25.4 |
| 2500 | Open | 40.0 | 36.2 | 34.5 | 30.0 | 29.9 | 25.7 |
| 2750 | Open | 41.4 | 36.6 | 35.1 | 30.4 | 30.3 | 26.0 |
| 3000 | Open | 41.4 | 37.0 | 35.1 | 30.7 | 30.3 | 26.3 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

2622

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

in Underground Duct Bank - 1 Circuit - Three Cables - 12 in Spacing

25°C Earth Ambient

| Condr Size | Sheath Res | OD | Duct ID | Wd | Rac | Qs | Ri | Rj | Rsd | Rd | Re @ 90 Rho & loss factor 75% | Re @ 90 Rho & loss factor 100% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 4.093 | 5.06 | 2.64 | 13.41 | 1.035 | 2.63 | 0.16 | 1.08 | 0.24 | 2.09 | 3.27 |
| 1250 | Open | 4.220 | 5.06 | 2.78 | 10.83 | 1.048 | 2.49 | 0.16 | 1.05 | 0.24 | 2.09 | 3.27 |
| 1500 | Open | 4.088 | 5.06 | 3.17 | 9.14 | 1.052 | 2.20 | 0.17 | 1.06 | 0.24 | 2.09 | 3.27 |
| 1750 | Open | 4.215 | 5.06 | 3.32 | 7.97 | 1.066 | 2.09 | 0.16 | 1.03 | 0.24 | 2.09 | 3.27 |
| 2000 | Open | 4.286 | 5.06 | 3.42 | 7.11 | 1.077 | 2.03 | 0.16 | 1.01 | 0.24 | 2.09 | 3.27 |
| 2250 | Open | 4.396 | 6.13 | 3.57 | 6.46 | 1.089 | 1.95 | 0.15 | 0.99 | 0.20 | 2.04 | 3.21 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 4.283 | 5.06 | 3.42 | 6.90 | 1.079 | 2.04 | 0.16 | 1.01 | 0.24 | 2.09 | 3.27 |
| 2250 | Open | 4.396 | 6.13 | 3.57 | 6.25 | 1.092 | 1.95 | 0.15 | 0.99 | 0.20 | 2.04 | 3.21 |
| 2500 | Open | 4.475 | 6.13 | 3.66 | 5.69 | 1.108 | 1.90 | 0.15 | 0.96 | 0.20 | 2.04 | 3.21 |
| 2750 | Open | 4.570 | 6.13 | 3.79 | 5.23 | 1.123 | 1.83 | 0.15 | 0.94 | 0.20 | 2.04 | 3.21 |
| 3000 | Open | 4.641 | 6.13 | 3.88 | 4.89 | 1.136 | 1.79 | 0.15 | 0.93 | 0.20 | 2.04 | 3.21 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

in Underground Duct Bank - 2 Circuits - Six Cables - 12 in Spacing

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho 75 LF | 60 Rho 100 LF | 90 Rho 75 LF | 90 Rho 100 LF | 120 Rho 75 LF | 120 Rho 100 LF | delta Td for .0024 pf & Rho 60 | 90 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | | | | |
| 1000 | Open | 674 | 610 | 572 | 504 | 485 | 420 | 18.3 | 24.0 | 29.7 |
| 1250 | Open | 752 | 678 | 632 | 555 | 532 | 458 | 19.0 | 25.0 | 31.0 |
| 1500 | Open | 812 | 729 | 668 | 584 | 546 | 469 | 21.2 | 28.0 | 34.9 |
| 1750 | Open | 868 | 778 | 707 | 617 | 570 | 488 | 21.9 | 29.1 | 36.3 |
| 2000 | Open | 917 | 821 | 743 | 647 | 593 | 507 | 22.4 | 29.8 | 37.2 |
| 2250 | Open | 971 | 865 | 778 | 675 | 612 | 522 | 22.8 | 30.5 | 38.2 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | | | | |
| 2000 | Open | 930 | 832 | 753 | 656 | 601 | 514 | 22.4 | 29.8 | 37.2 |
| 2250 | Open | 986 | 879 | 790 | 685 | 622 | 530 | 22.8 | 30.5 | 38.2 |
| 2500 | Open | 1031 | 916 | 821 | 710 | 640 | 544 | 23.2 | 31.1 | 39.0 |
| 2750 | Open | 1070 | 949 | 844 | 729 | 649 | 551 | 23.8 | 31.9 | 40.2 |
| 3000 | Open | 1102 | 976 | 863 | 745 | 655 | 556 | 24.2 | 32.6 | 41.0 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2624

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

in Underground Duct Bank - 2 Circuits - Six Cables - 12 in Spacing

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho 75 LF | 60 Rho 100 LF | 90 Rho 75 LF | 90 Rho 100 LF | 120 Rho 75 LF | 120 Rho 100 LF |
|---|---|---|---|---|---|---|---|
| | | Total Watts/ft | | | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 53.5 | 46.7 | 42.9 | 36.9 | 35.3 | 30.5 |
| 1250 | Open | 54.9 | 47.8 | 43.7 | 37.5 | 35.8 | 30.9 |
| 1500 | Open | 56.8 | 49.4 | 44.6 | 38.5 | 36.1 | 31.6 |
| 1750 | Open | 58.0 | 50.5 | 45.2 | 39.2 | 36.4 | 32.0 |
| 2000 | Open | 58.7 | 51.1 | 45.6 | 39.5 | 36.5 | 32.2 |
| 2250 | Open | 60.7 | 52.6 | 46.6 | 40.4 | 37.0 | 32.8 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 58.7 | 51.1 | 45.5 | 39.5 | 36.5 | 32.2 |
| 2250 | Open | 60.7 | 52.7 | 46.7 | 40.4 | 37.1 | 32.8 |
| 2500 | Open | 61.6 | 53.2 | 47.1 | 40.7 | 37.2 | 33.0 |
| 2750 | Open | 62.4 | 53.9 | 47.4 | 41.1 | 37.3 | 33.2 |
| 3000 | Open | 63.1 | 54.5 | 47.7 | 41.5 | 37.4 | 33.4 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

in Underground Duct Bank - 2 Circuits - Six Cables - 12 in Spacing

25°C Earth Ambient

| Condr Size | Sheath Res | OD | Duct ID | Wd | Rac | Qs | Ri | Rj | Rsd | Rd | Re @ 90 Rho & loss factor 75% | Re @ 90 Rho & loss factor 100% |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 4.093 | 5.06 | 2.64 | 13.41 | 1.027 | 2.63 | 0.16 | 1.03 | 0.24 | 4.00 | 6.34 |
| 1250 | Open | 4.220 | 5.06 | 2.78 | 10.83 | 1.037 | 2.49 | 0.16 | 0.99 | 0.24 | 4.00 | 6.34 |
| 1500 | Open | 4.088 | 5.06 | 3.17 | 9.14 | 1.040 | 2.20 | 0.17 | 1.01 | 0.24 | 4.00 | 6.34 |
| 1750 | Open | 4.215 | 5.06 | 3.32 | 7.97 | 1.050 | 2.09 | 0.16 | 0.98 | 0.24 | 4.00 | 6.34 |
| 2000 | Open | 4.286 | 5.06 | 3.42 | 7.11 | 1.059 | 2.03 | 0.16 | 0.96 | 0.24 | 4.00 | 6.34 |
| 2250 | Open | 4.396 | 6.13 | 3.57 | 6.46 | 1.070 | 1.95 | 0.15 | 0.94 | 0.20 | 3.94 | 6.28 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 4.283 | 5.06 | 3.42 | 6.90 | 1.061 | 2.04 | 0.16 | 0.96 | 0.24 | 4.00 | 6.34 |
| 2250 | Open | 4.396 | 6.13 | 3.57 | 6.25 | 1.072 | 1.95 | 0.15 | 0.94 | 0.20 | 3.94 | 6.28 |
| 2500 | Open | 4.475 | 6.13 | 3.66 | 5.69 | 1.084 | 1.90 | 0.15 | 0.92 | 0.20 | 3.94 | 6.28 |
| 2750 | Open | 4.570 | 6.13 | 3.79 | 5.23 | 1.097 | 1.83 | 0.15 | 0.90 | 0.20 | 3.94 | 6.28 |
| 3000 | Open | 4.641 | 6.13 | 3.88 | 4.89 | 1.107 | 1.79 | 0.15 | 0.88 | 0.20 | 3.94 | 6.28 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

2626

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho Amps | 60 Rho Interface Temp °C | 60 Rho Flux w/ft² | 90 Rho Amps | 90 Rho Interface Temp °C | 90 Rho Flux w/ft² | 120 Rho Amps | 120 Rho Interface Temp °C | 120 Rho Flux w/ft² | delta Td for .0024 pf & Rho 60 | 90 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 75% LF | | | | | | | |
| | | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 926 | 53 | 13.9 | 830 | 59 | 11.7 | 751 | 64 | 10.0 | 9.8 | 12.8 | 15.8 |
| 1250 | Open | 1042 | 54 | 14.1 | 930 | 60 | 11.8 | 838 | 65 | 10.0 | 10.1 | 13.3 | 16.4 |
| 1500 | Open | 1162 | 56 | 15.5 | 1024 | 62 | 12.7 | 913 | 67 | 10.7 | 11.1 | 14.7 | 18.2 |
| 1750 | Open | 1255 | 57 | 15.7 | 1101 | 63 | 12.8 | 978 | 68 | 10.7 | 11.4 | 15.2 | 18.9 |
| 2000 | Open | 1334 | 57 | 15.9 | 1168 | 64 | 12.8 | 1034 | 68 | 10.8 | 11.6 | 15.5 | 19.3 |
| 2250 | Open | 1408 | 58 | 16.0 | 1227 | 64 | 12.9 | 1082 | 69 | 10.7 | 11.9 | 15.9 | 19.9 |
| | | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 1352 | 57 | 15.9 | 1184 | 64 | 12.8 | 1048 | 68 | 10.8 | 11.6 | 15.4 | 19.3 |
| 2250 | Open | 1430 | 58 | 16.1 | 1246 | 64 | 12.9 | 1099 | 69 | 10.8 | 11.9 | 15.9 | 19.9 |
| 2500 | Open | 1503 | 58 | 16.2 | 1306 | 65 | 13.0 | 1148 | 69 | 10.8 | 12.1 | 16.2 | 20.3 |
| 2750 | Open | 1572 | 59 | 16.4 | 1361 | 66 | 13.0 | 1193 | 70 | 10.8 | 12.4 | 16.6 | 20.8 |
| 3000 | Open | 1628 | 60 | 16.5 | 1405 | 66 | 13.1 | 1229 | 71 | 10.8 | 12.6 | 16.9 | 21.2 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | ---- 60 Rho--- Interface Temp Amps | Flux °C | w/ft² | ---- 90 Rho--- Interface Temp Amps | Flux °C | w/ft² | ----120 Rho--- Interface Temp Amps | Flux °C | w/ft² | delta Td for .0024 pf & Rho 60 | 90 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 100% LF | | | | | | | | |
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | | |
| 1000 | Open | 853 | 58 | 12.1 | 747 | 64 | 9.9 | 664 | 68 | 8.3 | 9.8 | 12.8 | 15.8 |
| 1250 | Open | 957 | 59 | 12.3 | 834 | 65 | 10.0 | 739 | 69 | 8.3 | 10.1 | 13.3 | 16.4 |
| 1500 | Open | 1061 | 61 | 13.5 | 914 | 67 | 10.7 | 800 | 71 | 9.0 | 11.1 | 14.7 | 18.2 |
| 1750 | Open | 1142 | 61 | 13.5 | 979 | 68 | 10.8 | 854 | 72 | 8.9 | 11.4 | 15.2 | 18.9 |
| 2000 | Open | 1212 | 62 | 13.6 | 1036 | 68 | 10.8 | 901 | 72 | 8.9 | 11.6 | 15.5 | 19.3 |
| 2250 | Open | 1275 | 63 | 13.7 | 1085 | 69 | 10.8 | 940 | 73 | 8.9 | 11.9 | 15.9 | 19.9 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | | |
| 2000 | Open | 1229 | 62 | 13.6 | 1050 | 68 | 10.8 | 914 | 72 | 8.9 | 11.6 | 15.4 | 19.3 |
| 2250 | Open | 1296 | 63 | 13.7 | 1102 | 69 | 10.8 | 955 | 73 | 8.9 | 11.9 | 15.9 | 19.9 |
| 2500 | Open | 1358 | 63 | 13.8 | 1152 | 69 | 10.8 | 996 | 73 | 8.9 | 12.1 | 16.2 | 20.3 |
| 2750 | Open | 1418 | 64 | 13.9 | 1198 | 70 | 10.8 | 1032 | 74 | 8.9 | 12.4 | 16.6 | 20.8 |
| 3000 | Open | 1465 | 64 | 14.0 | 1234 | 70 | 10.9 | 1061 | 74 | 8.8 | 12.6 | 16.9 | 21.2 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2628

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho 75 LF | 60 Rho 100 LF | 90 Rho 75 LF | 90 Rho 100 LF | 120 Rho 75 LF | 120 Rho 100 LF |
|---|---|---|---|---|---|---|---|
| | | Total Watts/ft | | | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 43.5 | 38.1 | 36.5 | 31.1 | 31.3 | 26.2 |
| 1250 | Open | 45.1 | 39.4 | 37.6 | 31.9 | 32.1 | 26.8 |
| 1500 | Open | 48.2 | 41.8 | 39.6 | 33.5 | 33.4 | 27.9 |
| 1750 | Open | 49.9 | 43.0 | 40.7 | 34.2 | 34.2 | 28.4 |
| 2000 | Open | 50.8 | 43.7 | 41.3 | 34.7 | 34.6 | 28.8 |
| 2250 | Open | 52.2 | 44.7 | 42.2 | 35.3 | 35.2 | 29.2 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 50.8 | 43.7 | 41.3 | 34.7 | 34.6 | 28.8 |
| 2250 | Open | 52.2 | 44.8 | 42.2 | 35.4 | 35.2 | 29.2 |
| 2500 | Open | 53.2 | 45.5 | 42.9 | 35.8 | 35.6 | 29.5 |
| 2750 | Open | 54.4 | 46.4 | 43.6 | 36.4 | 36.2 | 29.9 |
| 3000 | Open | 55.3 | 47.0 | 44.2 | 36.7 | 36.5 | 30.2 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 1 Circuit - Three Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | OD | Wd | Rac | Qs | Ri | Rj | Re @ 90 Rho & loss factor 75% | 100% |
|---|---|---|---|---|---|---|---|---|---|
| | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | |
| 1000 | Open | 4.093 | 2.64 | 13.41 | 1.042 | 2.63 | 0.16 | 2.21 | 3.37 |
| 1250 | Open | 4.220 | 2.78 | 10.83 | 1.058 | 2.49 | 0.16 | 2.20 | 3.35 |
| 1500 | Open | 4.088 | 3.17 | 9.14 | 1.062 | 2.20 | 0.17 | 2.22 | 3.37 |
| 1750 | Open | 4.215 | 3.32 | 7.97 | 1.078 | 2.09 | 0.16 | 2.20 | 3.36 |
| 2000 | Open | 4.286 | 3.42 | 7.11 | 1.091 | 2.03 | 0.16 | 2.19 | 3.35 |
| 2250 | Open | 4.396 | 3.57 | 6.46 | 1.106 | 1.95 | 0.15 | 2.18 | 3.34 |
| | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | |
| 2000 | Open | 4.283 | 3.42 | 6.90 | 1.094 | 2.04 | 0.16 | 2.19 | 3.35 |
| 2250 | Open | 4.396 | 3.57 | 6.25 | 1.110 | 1.95 | 0.15 | 2.18 | 3.34 |
| 2500 | Open | 4.475 | 3.66 | 5.69 | 1.128 | 1.90 | 0.15 | 2.17 | 3.33 |
| 2750 | Open | 4.570 | 3.79 | 5.23 | 1.146 | 1.83 | 0.15 | 2.16 | 3.32 |
| 3000 | Open | 4.641 | 3.88 | 4.89 | 1.161 | 1.79 | 0.15 | 2.16 | 3.31 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2630

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho Interface Temp | 60 Rho Flux | 60 Rho Amps | 90 Rho Interface Temp | 90 Rho Flux | 90 Rho Amps | 120 Rho Interface Temp | 120 Rho Flux | 120 Rho Amps | delta Td for .0024 pf & Rho 60 | 90 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | °C | w/ft² | | °C | w/ft² | | °C | w/ft² | | | | |
| | | | | | | 75% LF | | | | | | | |
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | | |
| 1000 | Open | 56 | 12.7 | 874 | 63 | 10.4 | 767 | 68 | 8.7 | 681 | 11.4 | 15.1 | 18.8 |
| 1250 | Open | 57 | 12.9 | 981 | 64 | 10.4 | 857 | 68 | 8.7 | 757 | 11.7 | 15.6 | 19.6 |
| 1500 | Open | 59 | 14.1 | 1087 | 66 | 11.2 | 936 | 71 | 9.3 | 816 | 12.9 | 17.4 | 21.9 |
| 1750 | Open | 60 | 14.2 | 1170 | 67 | 11.2 | 1002 | 71 | 9.2 | 869 | 13.4 | 18.0 | 22.7 |
| 2000 | Open | 61 | 14.3 | 1241 | 67 | 11.2 | 1060 | 72 | 9.2 | 915 | 13.6 | 18.4 | 23.2 |
| 2250 | Open | 62 | 14.4 | 1306 | 68 | 11.3 | 1109 | 73 | 9.1 | 953 | 14.0 | 19.0 | 24.0 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | | |
| 2000 | Open | 61 | 14.4 | 1258 | 67 | 11.3 | 1074 | 72 | 9.2 | 928 | 13.6 | 18.4 | 23.2 |
| 2250 | Open | 62 | 14.4 | 1326 | 68 | 11.3 | 1126 | 73 | 9.1 | 967 | 14.0 | 19.0 | 24.0 |
| 2500 | Open | 62 | 14.6 | 1390 | 69 | 11.4 | 1176 | 73 | 9.1 | 1007 | 14.3 | 19.4 | 24.5 |
| 2750 | Open | 63 | 14.7 | 1451 | 69 | 11.4 | 1221 | 74 | 9.1 | 1041 | 14.6 | 19.9 | 25.1 |
| 3000 | Open | 63 | 14.7 | 1499 | 70 | 11.4 | 1258 | 74 | 9.1 | 1068 | 14.8 | 20.2 | 25.6 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | ---- 60 Rho--- Interface Temp Amps | Flux °C w/ft² | ---- 90 Rho--- Interface Temp Amps | Flux °C w/ft² | ----120 Rho--- Interface Temp Amps | Flux °C w/ft² | delta Td for .0024 pf & Rho 60 | 90 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 100% LF | | | | | | |
| | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | | |
| 1000 | Open | 794 | 61 | 680 | 68 | 594 | 72 | 11.4 | 15.1 | 18.8 |
| 1250 | Open | 888 | 62 | 757 | 68 | 657 | 73 | 11.7 | 15.6 | 19.6 |
| 1500 | Open | 978 | 64 | 822 | 70 | 705 | 74 | 12.9 | 17.4 | 21.9 |
| 1750 | Open | 1049 | 65 | 877 | 71 | 748 | 75 | 13.4 | 18.0 | 22.7 |
| 2000 | Open | 1111 | 66 | 925 | 72 | 786 | 75 | 13.6 | 18.4 | 23.2 |
| 2250 | Open | 1165 | 66 | 965 | 72 | 816 | 76 | 14.0 | 19.0 | 24.0 |
| | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | | |
| 2000 | Open | 1126 | 66 | 938 | 72 | 797 | 75 | 13.6 | 18.4 | 23.2 |
| 2250 | Open | 1183 | 66 | 980 | 72 | 829 | 76 | 14.0 | 19.0 | 24.0 |
| 2500 | Open | 1238 | 67 | 1022 | 73 | 861 | 76 | 14.3 | 19.4 | 24.5 |
| 2750 | Open | 1288 | 68 | 1059 | 73 | 888 | 77 | 14.6 | 19.9 | 25.1 |
| 3000 | Open | 1328 | 68 | 1088 | 74 | 909 | 77 | 14.8 | 20.2 | 25.6 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

2632

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | 60 Rho 75 LF | 60 Rho 100 LF | 90 Rho 75 LF | 90 Rho 100 LF | 120 Rho 75 LF | 120 Rho 100 LF |
|---|---|---|---|---|---|---|---|
| | | Total Watts/ft | | | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 79.6 | 68.4 | 64.9 | 54.4 | 54.5 | 45.3 |
| 1250 | Open | 82.4 | 70.5 | 66.8 | 55.8 | 55.8 | 46.2 |
| 1500 | Open | 87.3 | 74.3 | 69.7 | 58.1 | 57.5 | 47.7 |
| 1750 | Open | 89.9 | 76.2 | 71.3 | 59.3 | 58.6 | 48.6 |
| 2000 | Open | 91.4 | 77.4 | 72.3 | 59.9 | 59.1 | 49.0 |
| 2250 | Open | 93.7 | 79.0 | 73.6 | 60.9 | 59.9 | 49.6 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 91.4 | 77.3 | 72.2 | 59.9 | 59.1 | 49.0 |
| 2250 | Open | 93.8 | 79.0 | 73.6 | 60.9 | 59.9 | 49.7 |
| 2500 | Open | 95.3 | 80.1 | 74.5 | 61.6 | 60.5 | 50.1 |
| 2750 | Open | 97.3 | 81.5 | 75.6 | 62.5 | 61.1 | 50.7 |
| 3000 | Open | 98.8 | 82.5 | 76.4 | 63.0 | 61.6 | 51.0 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Direct Buried - 2 Circuits - Six Cables - Spaced

25°C Earth Ambient

| Condr Size | Sheath Res | OD | Wd | Rac | Qs | Ri | Rj | Re @ 90 Rho & loss factor 75% | Re @ 90 Rho & loss factor 100% |
|---|---|---|---|---|---|---|---|---|---|
| | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | |
| 1000 | Open | 4.093 | 2.64 | 13.41 | 1.046 | 2.63 | 0.16 | 2.75 | 4.23 |
| 1250 | Open | 4.220 | 2.78 | 10.83 | 1.063 | 2.49 | 0.16 | 2.74 | 4.22 |
| 1500 | Open | 4.088 | 3.17 | 9.14 | 1.068 | 2.20 | 0.17 | 2.75 | 4.23 |
| 1750 | Open | 4.215 | 3.32 | 7.97 | 1.086 | 2.09 | 0.16 | 2.74 | 4.22 |
| 2000 | Open | 4.286 | 3.42 | 7.11 | 1.100 | 2.03 | 0.16 | 2.73 | 4.21 |
| 2250 | Open | 4.396 | 3.57 | 6.46 | 1.117 | 1.95 | 0.15 | 2.72 | 4.20 |
| | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | |
| 2000 | Open | 4.283 | 3.42 | 6.90 | 1.103 | 2.04 | 0.16 | 2.73 | 4.21 |
| 2250 | Open | 4.396 | 3.57 | 6.25 | 1.121 | 1.95 | 0.15 | 2.72 | 4.20 |
| 2500 | Open | 4.475 | 3.66 | 5.69 | 1.141 | 1.90 | 0.15 | 2.71 | 4.19 |
| 2750 | Open | 4.570 | 3.79 | 5.23 | 1.161 | 1.83 | 0.15 | 2.70 | 4.18 |
| 3000 | Open | 4.641 | 3.88 | 4.89 | 1.178 | 1.79 | 0.15 | 2.69 | 4.18 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2634

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

| Condr Size | Sheath Res | No Sun 0 Ft/s | No Sun 2 Ft/s | Full Sun 0 Ft/s | Full Sun 2 Ft/s | delta Td for .0024 pf No Sun 0 Ft/s | delta Td for .0024 pf No Sun 2 Ft/s |
|---|---|---|---|---|---|---|---|
| **85°C - Copper Conductor - Hollow Core Concentric Strand** | | | | | | | |
| 1000 | Open | 710 | 732 | 377 | 481 | 10.2 | 9.6 |
| 1250 | Open | 802 | 828 | 423 | 543 | 10.4 | 9.8 |
| 1500 | Open | 884 | 915 | 448 | 588 | 11.4 | 10.8 |
| 1750 | Open | 960 | 994 | 482 | 637 | 11.7 | 11.0 |
| 2000 | Open | 1025 | 1062 | 512 | 678 | 11.8 | 11.1 |
| 2250 | Open | 1105 | 1140 | 543 | 711 | 11.6 | 11.0 |
| **85°C - Copper Conductor - Hollow Core Segmental Strand** | | | | | | | |
| 2000 | Open | 1037 | 1075 | 518 | 687 | 11.8 | 11.1 |
| 2250 | Open | 1125 | 1161 | 553 | 724 | 11.6 | 11.0 |
| 2500 | Open | 1189 | 1227 | 581 | 764 | 11.7 | 11.1 |
| 2750 | Open | 1251 | 1293 | 607 | 802 | 11.9 | 11.2 |
| 3000 | Open | 1302 | 1346 | 628 | 833 | 12.0 | 11.3 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

| Condr Size | Sheath Res | No Sun 0 Ft/s | No Sun 2 Ft/s | Full Sun 0 Ft/s | Full Sun 2 Ft/s |
|---|---|---|---|---|---|
| | | Total Watts/ft | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | |
| 1000 | Open | 28.2 | 29.5 | 13.6 | 17.2 |
| 1250 | Open | 29.2 | 30.6 | 14.1 | 17.9 |
| 1500 | Open | 30.8 | 32.4 | 15.0 | 18.9 |
| 1750 | Open | 31.9 | 33.5 | 15.5 | 19.6 |
| 2000 | Open | 32.5 | 34.1 | 15.8 | 20.0 |
| 2250 | Open | 34.4 | 35.9 | 16.4 | 20.5 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | |
| 2000 | Open | 32.4 | 34.1 | 15.8 | 20.0 |
| 2250 | Open | 34.4 | 35.9 | 16.4 | 20.5 |
| 2500 | Open | 35.0 | 36.6 | 16.7 | 20.9 |
| 2750 | Open | 35.8 | 37.4 | 17.1 | 21.4 |
| 3000 | Open | 36.4 | 38.1 | 17.4 | 21.8 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2636

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Non-Metallic Conduit in Air

40°C Air Ambient

| Condr Size | Sheath Res | OD | Duct ID | Wd | Rac | Qs | Ri | Rj | Rsd | Rd | Re No Sun 0 fps | Re No Sun 2 fps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 4.093 | 5.05 | 2.64 | 13.40 | 1.000 | 2.63 | 0.16 | 1.31 | 0.31 | 0.75 | 0.52 |
| 1250 | Open | 4.220 | 5.05 | 2.78 | 10.80 | 1.000 | 2.49 | 0.16 | 1.27 | 0.31 | 0.75 | 0.52 |
| 1500 | Open | 4.088 | 5.05 | 3.17 | 9.11 | 1.000 | 2.20 | 0.17 | 1.30 | 0.31 | 0.74 | 0.51 |
| 1750 | Open | 4.215 | 5.05 | 3.32 | 7.92 | 1.000 | 2.09 | 0.16 | 1.26 | 0.31 | 0.74 | 0.51 |
| 2000 | Open | 4.286 | 5.05 | 3.42 | 7.05 | 1.000 | 2.03 | 0.16 | 1.24 | 0.31 | 0.74 | 0.51 |
| 2250 | Open | 4.396 | 6.07 | 3.57 | 6.46 | 1.000 | 1.95 | 0.15 | 1.22 | 0.28 | 0.64 | 0.45 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 4.283 | 5.05 | 3.42 | 6.88 | 1.000 | 2.04 | 0.16 | 1.24 | 0.31 | 0.74 | 0.51 |
| 2250 | Open | 4.396 | 6.07 | 3.57 | 6.23 | 1.000 | 1.95 | 0.15 | 1.22 | 0.28 | 0.64 | 0.45 |
| 2500 | Open | 4.475 | 6.07 | 3.66 | 5.66 | 1.000 | 1.90 | 0.15 | 1.20 | 0.28 | 0.64 | 0.45 |
| 2750 | Open | 4.570 | 6.07 | 3.79 | 5.20 | 1.000 | 1.83 | 0.15 | 1.17 | 0.28 | 0.63 | 0.45 |
| 3000 | Open | 4.641 | 6.07 | 3.88 | 4.86 | 1.000 | 1.79 | 0.15 | 1.15 | 0.28 | 0.63 | 0.45 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Free Air

40°C Air Ambient

| Condr Size | Sheath Res | No Sun 0 Ft/s | No Sun 2 Ft/s | Full Sun 0 Ft/s | Full Sun 2 Ft/s | delta Td for .0024 pf No Sun 0 Ft/s | delta Td for .0024 pf No Sun 2 Ft/s |
|---|---|---|---|---|---|---|---|
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 876 | 922 | 534 | 661 | 6.4 | 5.7 |
| 1250 | Open | 998 | 1050 | 606 | 750 | 6.5 | 5.7 |
| 1500 | Open | 1124 | 1189 | 680 | 849 | 7.0 | 6.1 |
| 1750 | Open | 1230 | 1301 | 742 | 925 | 7.0 | 6.1 |
| 2000 | Open | 1319 | 1396 | 794 | 991 | 7.1 | 6.2 |
| 2250 | Open | 1403 | 1484 | 841 | 1050 | 7.1 | 6.2 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 1335 | 1412 | 803 | 1002 | 7.1 | 6.2 |
| 2250 | Open | 1429 | 1511 | 857 | 1069 | 7.1 | 6.2 |
| 2500 | Open | 1515 | 1603 | 907 | 1132 | 7.2 | 6.3 |
| 2750 | Open | 1604 | 1696 | 957 | 1194 | 7.2 | 6.3 |
| 3000 | Open | 1676 | 1773 | 998 | 1246 | 7.3 | 6.3 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

2638

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Free Air

40°C Air Ambient

| Condr Size | Sheath Res | No Sun 0 Ft/s | No Sun 2 Ft/s | Full Sun 0 Ft/s | Full Sun 2 Ft/s |
|---|---|---|---|---|---|
| | | Total Watts/ft | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | |
| 1000 | Open | 12.9 | 14.0 | 6.5 | 8.5 |
| 1250 | Open | 13.5 | 14.7 | 6.7 | 8.9 |
| 1500 | Open | 14.7 | 16.0 | 7.4 | 9.7 |
| 1750 | Open | 15.3 | 16.7 | 7.7 | 10.1 |
| 2000 | Open | 15.7 | 17.2 | 7.9 | 10.3 |
| 2250 | Open | 16.3 | 17.8 | 8.1 | 10.7 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | |
| 2000 | Open | 15.7 | 17.1 | 7.9 | 10.3 |
| 2250 | Open | 16.3 | 17.8 | 8.1 | 10.7 |
| 2500 | Open | 16.7 | 18.2 | 8.3 | 10.9 |
| 2750 | Open | 17.2 | 18.7 | 8.5 | 11.2 |
| 3000 | Open | 17.5 | 19.2 | 8.7 | 11.4 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Free Air

40°C Air Ambient

| Condr Size | Sheath Res | OD | Duct ID | Wd | Rac | Qs | Ri | Rj | Rsd | Rd | Re No Sun 0 fps | Re No Sun 2 fps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 4.093 | 9.99 | 2.64 | 13.40 | 1.000 | 2.63 | 0.16 | 0.00 | 0.00 | 0.95 | 0.66 |
| 1250 | Open | 4.220 | 9.99 | 2.78 | 10.80 | 1.000 | 2.49 | 0.16 | 0.00 | 0.00 | 0.93 | 0.65 |
| 1500 | Open | 4.088 | 9.99 | 3.17 | 9.11 | 1.000 | 2.20 | 0.17 | 0.00 | 0.00 | 0.94 | 0.66 |
| 1750 | Open | 4.215 | 9.99 | 3.32 | 7.92 | 1.000 | 2.09 | 0.16 | 0.00 | 0.00 | 0.91 | 0.64 |
| 2000 | Open | 4.286 | 9.99 | 3.42 | 7.05 | 1.000 | 2.03 | 0.16 | 0.00 | 0.00 | 0.90 | 0.64 |
| 2250 | Open | 4.396 | 9.99 | 3.57 | 6.46 | 1.000 | 1.95 | 0.15 | 0.00 | 0.00 | 0.88 | 0.62 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 4.283 | 9.99 | 3.42 | 6.88 | 1.000 | 2.04 | 0.16 | 0.00 | 0.00 | 0.90 | 0.64 |
| 2250 | Open | 4.396 | 9.99 | 3.57 | 6.23 | 1.000 | 1.95 | 0.15 | 0.00 | 0.00 | 0.88 | 0.62 |
| 2500 | Open | 4.475 | 9.99 | 3.66 | 5.66 | 1.000 | 1.90 | 0.15 | 0.00 | 0.00 | 0.86 | 0.61 |
| 2750 | Open | 4.570 | 9.99 | 3.79 | 5.20 | 1.000 | 1.83 | 0.15 | 0.00 | 0.00 | 0.84 | 0.60 |
| 3000 | Open | 4.641 | 9.99 | 3.88 | 4.86 | 1.000 | 1.79 | 0.15 | 0.00 | 0.00 | 0.83 | 0.60 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2640

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

| Condr Size | Sheath Res | No Sun 0 Ft/s | No Sun 2 Ft/s | Full Sun 0 Ft/s | Full Sun 2 Ft/s | delta Td for .0024 pf No Sun 0 Ft/s | delta Td for .0024 pf No Sun 2 Ft/s |
|---|---|---|---|---|---|---|---|
| **85°C - Copper Conductor - Hollow Core Concentric Strand** | | | | | | | |
| 1000 | Open | 735 | 760 | 519 | 593 | 9.5 | 8.9 |
| 1250 | Open | 831 | 860 | 586 | 670 | 9.7 | 9.0 |
| 1500 | Open | 921 | 956 | 641 | 739 | 10.6 | 9.9 |
| 1750 | Open | 1000 | 1039 | 695 | 802 | 10.8 | 10.1 |
| 2000 | Open | 1069 | 1111 | 741 | 857 | 11.0 | 10.2 |
| 2250 | Open | 1158 | 1196 | 804 | 912 | 10.7 | 10.0 |
| **85°C - Copper Conductor - Hollow Core Segmental Strand** | | | | | | | |
| 2000 | Open | 1081 | 1124 | 750 | 867 | 11.0 | 10.2 |
| 2250 | Open | 1179 | 1218 | 819 | 929 | 10.7 | 10.0 |
| 2500 | Open | 1246 | 1288 | 864 | 981 | 10.8 | 10.1 |
| 2750 | Open | 1312 | 1357 | 908 | 1033 | 10.9 | 10.3 |
| 3000 | Open | 1366 | 1414 | 944 | 1075 | 11.0 | 10.4 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

| Condr Size | Sheath Res | No Sun 0 Ft/s | No Sun 2 Ft/s | Full Sun 0 Ft/s | Full Sun 2 Ft/s |
|---|---|---|---|---|---|
| | | Total Watts/ft | | | |
| 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | |
| 1000 | Open | 9.9 | 10.4 | 6.2 | 7.3 |
| 1250 | Open | 10.2 | 10.8 | 6.5 | 7.6 |
| 1500 | Open | 10.9 | 11.5 | 6.9 | 8.1 |
| 1750 | Open | 11.2 | 11.9 | 7.2 | 8.4 |
| 2000 | Open | 11.5 | 12.1 | 7.3 | 8.6 |
| 2250 | Open | 12.2 | 12.8 | 7.7 | 8.9 |
| 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | |
| 2000 | Open | 11.5 | 12.1 | 7.3 | 8.6 |
| 2250 | Open | 12.2 | 12.8 | 7.7 | 8.9 |
| 2500 | Open | 12.5 | 13.1 | 7.9 | 9.1 |
| 2750 | Open | 12.7 | 13.4 | 8.1 | 9.3 |
| 3000 | Open | 13.0 | 13.6 | 8.2 | 9.5 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS

Not for Resale

2642

345 kV 1/c Self Contained Liquid Filled Aluminum Sheathed Power Cable

Isolated Cable in Non-Metallic Unventilated Riser in Air

40°C Air Ambient

| Condr Size | Sheath Res | OD | Duct ID | Wd | Rac | Qs | Ri | Rj | Rsd | Rd | Re No Sun 0 fps | Re Sun 2 fps |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 85°C - Copper Conductor - Hollow Core Concentric Strand | | | | | | | |
| 1000 | Open | 4.093 | 5.05 | 2.64 | 13.40 | 1.000 | 2.63 | 0.16 | 1.05 | 0.31 | 0.76 | 0.52 |
| 1250 | Open | 4.220 | 5.05 | 2.78 | 10.80 | 1.000 | 2.49 | 0.16 | 1.02 | 0.31 | 0.75 | 0.51 |
| 1500 | Open | 4.088 | 5.05 | 3.17 | 9.11 | 1.000 | 2.20 | 0.17 | 1.04 | 0.31 | 0.75 | 0.51 |
| 1750 | Open | 4.215 | 5.05 | 3.32 | 7.92 | 1.000 | 2.09 | 0.16 | 1.00 | 0.31 | 0.75 | 0.51 |
| 2000 | Open | 4.286 | 5.05 | 3.42 | 7.05 | 1.000 | 2.03 | 0.16 | 0.99 | 0.31 | 0.74 | 0.51 |
| 2250 | Open | 4.396 | 6.07 | 3.57 | 6.46 | 1.000 | 1.95 | 0.15 | 0.96 | 0.28 | 0.63 | 0.45 |
| | | | | | 85°C - Copper Conductor - Hollow Core Segmental Strand | | | | | | | |
| 2000 | Open | 4.283 | 5.05 | 3.42 | 6.88 | 1.000 | 2.04 | 0.16 | 0.99 | 0.31 | 0.74 | 0.51 |
| 2250 | Open | 4.396 | 6.07 | 3.57 | 6.23 | 1.000 | 1.95 | 0.15 | 0.96 | 0.28 | 0.63 | 0.45 |
| 2500 | Open | 4.475 | 6.07 | 3.66 | 5.66 | 1.000 | 1.90 | 0.15 | 0.94 | 0.28 | 0.63 | 0.45 |
| 2750 | Open | 4.570 | 6.07 | 3.79 | 5.20 | 1.000 | 1.83 | 0.15 | 0.92 | 0.28 | 0.63 | 0.45 |
| 3000 | Open | 4.641 | 6.07 | 3.88 | 4.86 | 1.000 | 1.79 | 0.15 | 0.90 | 0.28 | 0.63 | 0.45 |

Copyright The Institute of Electrical and Electronics Engineers, Inc.
Provided by IHS under license with IEEE
No reproduction or networking permitted without license from IHS
Not for Resale