5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 69 | 67 | 68 | 65 | 66 | 63 |
| 6 | 91 | 88 | 89 | 85 | 87 | 82 |
| 4 | 118 | 114 | 115 | 110 | 112 | 106 |
| 2 | 154 | 149 | 149 | 143 | 145 | 137 |
| 1 | 176 | 170 | 171 | 163 | 166 | 156 |
| 1/0 | 201 | 195 | 195 | 186 | 190 | 178 |
| 2/0 | 231 | 222 | 223 | 212 | 217 | 203 |
| 3/0 | 263 | 253 | 255 | 241 | 247 | 231 |
| 4/0 | 301 | 289 | 291 | 275 | 282 | 263 |
| 250 | 332 | 319 | 320 | 302 | 310 | 288 |
| 350 | 402 | 385 | 387 | 364 | 374 | 346 |
| 500 | 489 | 467 | 470 | 440 | 452 | 417 |
| 750 | 599 | 570 | 573 | 534 | 550 | 504 |
| 1000 | 681 | 646 | 650 | 603 | 622 | 568 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable in Underground Duct Bank - 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 | | | | | | |
| 8 | 61 | 60 | 60 | 58 | 59 | 56 |
| 6 | 80 | 78 | 78 | 75 | 77 | 73 |
| 4 | 104 | 101 | 102 | 97 | 99 | 94 |
| 2 | 136 | 132 | 132 | 126 | 129 | 121 |
| 1 | 156 | 151 | 151 | 144 | 147 | 139 |
| 1/0 | 178 | 172 | 173 | 165 | 168 | 158 |
| 2/0 | 204 | 197 | 198 | 188 | 192 | 180 |
| 3/0 | 232 | 224 | 225 | 214 | 218 | 204 |
| 4/0 | 266 | 256 | 257 | 244 | 249 | 233 |
| 250 | 293 | 282 | 283 | 268 | 274 | 255 |
| 350 | 355 | 340 | 342 | 322 | 330 | 306 |
| 500 | 431 | 412 | 414 | 388 | 399 | 369 |
| 750 | 527 | 501 | 504 | 471 | 484 | 445 |
| 1000 | 598 | 566 | 570 | 530 | 546 | 499 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 65 | 61 | 61 | 57 | 59 | 53 |
| 6 | 84 | 79 | 80 | 73 | 76 | 68 |
| 4 | 109 | 102 | 103 | 94 | 98 | 88 |
| 2 | 141 | 131 | 133 | 121 | 126 | 112 |
| 1 | 161 | 150 | 151 | 137 | 143 | 127 |
| 1/0 | 184 | 170 | 173 | 156 | 163 | 144 |
| 2/0 | 210 | 193 | 196 | 177 | 185 | 164 |
| 3/0 | 238 | 219 | 222 | 200 | 209 | 185 |
| 4/0 | 272 | 250 | 253 | 227 | 237 | 209 |
| 250 | 298 | 274 | 277 | 248 | 260 | 228 |
| 350 | 359 | 328 | 333 | 296 | 310 | 272 |
| 500 | 434 | 392 | 399 | 353 | 372 | 324 |
| 750 | 526 | 474 | 482 | 424 | 445 | 386 |
| 1000 | 592 | 532 | 541 | 473 | 501 | 430 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

## in Underground Duct Bank - 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 | | | | | | |
| 8 | 57 | 54 | 55 | 50 | 52 | 47 |
| 6 | 75 | 70 | 71 | 65 | 67 | 61 |
| 4 | 96 | 90 | 91 | 83 | 87 | 78 |
| 2 | 125 | 116 | 118 | 107 | 112 | 100 |
| 1 | 143 | 132 | 134 | 122 | 127 | 113 |
| 1/0 | 163 | 151 | 153 | 138 | 144 | 128 |
| 2/0 | 186 | 172 | 174 | 157 | 164 | 145 |
| 3/0 | 211 | 195 | 197 | 178 | 186 | 164 |
| 4/0 | 241 | 221 | 224 | 201 | 211 | 186 |
| 250 | 264 | 242 | 245 | 220 | 230 | 203 |
| 350 | 318 | 290 | 294 | 262 | 275 | 242 |
| 500 | 383 | 347 | 353 | 313 | 329 | 287 |
| 750 | 463 | 418 | 425 | 375 | 395 | 342 |
| 1000 | 522 | 468 | 476 | 417 | 441 | 380 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 59 | 53 | 54 | 48 | 50 | 44 |
| 6 | 76 | 69 | 70 | 61 | 65 | 56 |
| 4 | 98 | 88 | 89 | 78 | 83 | 71 |
| 2 | 126 | 113 | 115 | 100 | 106 | 91 |
| 1 | 144 | 129 | 130 | 113 | 120 | 102 |
| 1/0 | 163 | 146 | 148 | 128 | 135 | 116 |
| 2/0 | 185 | 165 | 168 | 144 | 153 | 130 |
| 3/0 | 210 | 186 | 189 | 163 | 174 | 147 |
| 4/0 | 238 | 210 | 214 | 184 | 195 | 165 |
| 250 | 261 | 229 | 234 | 200 | 213 | 180 |
| 350 | 312 | 273 | 278 | 237 | 253 | 213 |
| 500 | 375 | 325 | 331 | 282 | 300 | 251 |
| 750 | 450 | 388 | 396 | 335 | 358 | 298 |
| 1000 | 503 | 433 | 442 | 372 | 399 | 331 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 52 | 47 | 48 | 43 | 45 | 39 |
| 6 | 68 | 61 | 62 | 55 | 57 | 50 |
| 4 | 87 | 78 | 79 | 70 | 74 | 63 |
| 2 | 112 | 101 | 102 | 89 | 94 | 81 |
| 1 | 127 | 114 | 116 | 101 | 107 | 91 |
| 1/0 | 145 | 129 | 131 | 114 | 121 | 103 |
| 2/0 | 165 | 147 | 149 | 129 | 136 | 116 |
| 3/0 | 186 | 166 | 168 | 145 | 154 | 131 |
| 4/0 | 211 | 187 | 191 | 164 | 174 | 147 |
| 250 | 231 | 204 | 208 | 178 | 190 | 160 |
| 350 | 277 | 242 | 247 | 211 | 225 | 190 |
| 500 | 332 | 288 | 294 | 250 | 267 | 224 |
| 750 | 398 | 344 | 350 | 297 | 317 | 265 |
| 1000 | 444 | 382 | 392 | 329 | 352 | 293 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 55 | 48 | 50 | 43 | 46 | 39 |
| 6 | 70 | 62 | 64 | 55 | 58 | 49 |
| 4 | 90 | 79 | 81 | 70 | 75 | 63 |
| 2 | 116 | 101 | 104 | 89 | 95 | 80 |
| 1 | 131 | 114 | 118 | 100 | 108 | 90 |
| 1/0 | 149 | 129 | 133 | 113 | 121 | 102 |
| 2/0 | 169 | 146 | 151 | 127 | 137 | 115 |
| 3/0 | 191 | 165 | 170 | 143 | 154 | 129 |
| 4/0 | 216 | 186 | 192 | 161 | 174 | 145 |
| 250 | 236 | 203 | 209 | 176 | 189 | 157 |
| 350 | 281 | 241 | 248 | 208 | 224 | 186 |
| 500 | 335 | 285 | 294 | 246 | 266 | 219 |
| 750 | 401 | 339 | 350 | 292 | 315 | 259 |
| 1000 | 448 | 377 | 390 | 323 | 351 | 287 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | |
| 8 | 48 | 43 | 44 | 38 | 41 | 35 |
| 6 | 63 | 55 | 57 | 49 | 52 | 44 |
| 4 | 80 | 70 | 72 | 62 | 66 | 56 |
| 2 | 103 | 90 | 92 | 79 | 85 | 71 |
| 1 | 117 | 102 | 105 | 89 | 96 | 80 |
| 1/0 | 133 | 115 | 119 | 101 | 108 | 91 |
| 2/0 | 150 | 130 | 134 | 114 | 122 | 102 |
| 3/0 | 170 | 147 | 151 | 128 | 138 | 115 |
| 4/0 | 192 | 166 | 171 | 144 | 155 | 129 |
| 250 | 210 | 181 | 186 | 157 | 169 | 140 |
| 350 | 250 | 214 | 221 | 185 | 199 | 166 |
| 500 | 297 | 254 | 261 | 219 | 236 | 195 |
| 750 | 355 | 301 | 311 | 259 | 279 | 231 |
| 1000 | 395 | 333 | 344 | 286 | 310 | 255 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 108 | 55 | 63.4 | 97 | 62 | 52.0 | 90 | 66 | 44.2 |
| 6 | 143 | 58 | 65.7 | 128 | 64 | 53.0 | 118 | 68 | 44.5 |
| 4 | 185 | 59 | 63.3 | 165 | 65 | 50.9 | 151 | 69 | 42.7 |
| 2 | 240 | 60 | 61.3 | 214 | 66 | 48.9 | 196 | 70 | 40.9 |
| 1 | 274 | 61 | 60.0 | 245 | 67 | 47.7 | 223 | 71 | 39.7 |
| 1/0 | 314 | 61 | 58.9 | 279 | 67 | 46.6 | 254 | 71 | 38.7 |
| 2/0 | 358 | 62 | 57.5 | 318 | 68 | 45.4 | 290 | 72 | 37.7 |
| 3/0 | 397 | 60 | 51.2 | 355 | 66 | 41.0 | 325 | 70 | 34.2 |
| 4/0 | 454 | 61 | 50.0 | 405 | 67 | 39.8 | 370 | 71 | 33.2 |
| 250 | 499 | 61 | 48.9 | 445 | 67 | 38.9 | 406 | 71 | 32.4 |
| 350 | 603 | 62 | 47.0 | 537 | 68 | 37.2 | 489 | 72 | 30.9 |
| 500 | 732 | 63 | 44.8 | 650 | 69 | 35.3 | 591 | 72 | 29.3 |
| 750 | 878 | 62 | 39.1 | 783 | 68 | 31.1 | 714 | 71 | 25.9 |
| 1000 | 1000 | 62 | 37.7 | 889 | 68 | 29.8 | 810 | 72 | 24.8 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### Direct Buried - 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 | | | | | |
| 8 | 101 | 60 | 55.5 | 90 | 66 | 43.9 | 81 | 70 | 36.4 |
| 6 | 133 | 62 | 56.8 | 117 | 69 | 44.1 | 106 | 72 | 36.0 |
| 4 | 171 | 63 | 54.5 | 150 | 69 | 42.1 | 136 | 73 | 34.2 |
| 2 | 221 | 64 | 52.2 | 194 | 70 | 40.0 | 175 | 74 | 32.5 |
| 1 | 253 | 65 | 50.9 | 221 | 71 | 38.9 | 199 | 75 | 31.5 |
| 1/0 | 288 | 66 | 49.6 | 251 | 72 | 37.8 | 226 | 75 | 30.5 |
| 2/0 | 328 | 66 | 48.2 | 285 | 72 | 36.5 | 256 | 76 | 29.4 |
| 3/0 | 364 | 65 | 42.9 | 319 | 71 | 32.9 | 287 | 74 | 26.6 |
| 4/0 | 415 | 65 | 41.6 | 362 | 71 | 31.8 | 326 | 75 | 25.7 |
| 250 | 455 | 66 | 40.7 | 397 | 72 | 31.0 | 356 | 75 | 24.9 |
| 350 | 547 | 67 | 38.6 | 476 | 73 | 29.2 | 426 | 76 | 23.5 |
| 500 | 659 | 68 | 36.4 | 572 | 73 | 27.4 | 512 | 77 | 21.9 |
| 750 | 788 | 67 | 31.4 | 685 | 73 | 23.8 | 614 | 76 | 19.1 |
| 1000 | 891 | 68 | 29.9 | 772 | 74 | 22.5 | 691 | 77 | 18.1 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 101 | 51 | 53.5 | 91 | 56 | 43.9 | 84 | 60 | 37.3 |
| 6 | 134 | 53 | 55.5 | 120 | 58 | 44.7 | 110 | 62 | 37.7 |
| 4 | 172 | 54 | 53.6 | 155 | 59 | 43.0 | 141 | 62 | 36.2 |
| 2 | 224 | 55 | 51.9 | 200 | 60 | 41.4 | 183 | 63 | 34.6 |
| 1 | 256 | 55 | 50.9 | 229 | 60 | 40.4 | 209 | 64 | 33.6 |
| 1/0 | 293 | 56 | 49.7 | 261 | 61 | 39.5 | 238 | 64 | 32.8 |
| 2/0 | 335 | 56 | 48.6 | 297 | 61 | 38.4 | 271 | 64 | 31.8 |
| 3/0 | 371 | 55 | 43.3 | 332 | 60 | 34.6 | 303 | 63 | 28.9 |
| 4/0 | 424 | 55 | 42.2 | 378 | 60 | 33.7 | 345 | 64 | 28.1 |
| 250 | 466 | 56 | 41.5 | 416 | 61 | 33.0 | 379 | 64 | 27.4 |
| 350 | 563 | 56 | 39.8 | 501 | 61 | 31.4 | 456 | 64 | 26.1 |
| 500 | 683 | 57 | 38.0 | 606 | 62 | 29.9 | 551 | 65 | 24.8 |
| 750 | 817 | 56 | 33.1 | 728 | 61 | 26.3 | 664 | 64 | 21.9 |
| 1000 | 928 | 57 | 32.0 | 825 | 62 | 25.3 | 752 | 65 | 20.9 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### Direct Buried - 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 | | | | |
| 8 | 94 | 54 | 47.1 | 84 | 60 | 37.0 | 76 | 63 | 30.8 |
| 6 | 124 | 57 | 48.1 | 110 | 62 | 37.4 | 99 | 65 | 30.6 |
| 4 | 160 | 57 | 46.1 | 141 | 62 | 35.6 | 127 | 66 | 29.1 |
| 2 | 207 | 58 | 44.2 | 181 | 63 | 33.9 | 163 | 67 | 27.5 |
| 1 | 236 | 59 | 43.0 | 206 | 64 | 33.0 | 186 | 67 | 26.6 |
| 1/0 | 269 | 60 | 42.0 | 235 | 64 | 31.9 | 211 | 67 | 25.7 |
| 2/0 | 306 | 60 | 40.7 | 267 | 65 | 31.0 | 239 | 68 | 24.8 |
| 3/0 | 340 | 59 | 36.3 | 298 | 64 | 27.8 | 268 | 67 | 22.5 |
| 4/0 | 387 | 59 | 35.3 | 338 | 64 | 27.0 | 304 | 67 | 21.7 |
| 250 | 425 | 60 | 34.4 | 370 | 65 | 26.1 | 333 | 68 | 21.2 |
| 350 | 510 | 61 | 32.7 | 444 | 65 | 24.7 | 398 | 68 | 19.8 |
| 500 | 615 | 61 | 30.8 | 533 | 66 | 23.2 | 477 | 69 | 18.5 |
| 750 | 733 | 61 | 26.7 | 637 | 65 | 20.1 | 571 | 68 | 16.2 |
| 1000 | 827 | 62 | 25.4 | 717 | 66 | 19.1 | 641 | 69 | 15.3 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 97 | 48 | 48.6 | 87 | 53 | 39.9 | 81 | 56 | 33.9 |
| 6 | 128 | 50 | 50.6 | 115 | 55 | 40.8 | 106 | 58 | 34.1 |
| 4 | 166 | 51 | 48.8 | 149 | 56 | 39.2 | 136 | 59 | 32.7 |
| 2 | 215 | 52 | 47.2 | 192 | 57 | 37.6 | 176 | 60 | 31.3 |
| 1 | 246 | 52 | 46.3 | 220 | 57 | 36.8 | 201 | 60 | 30.5 |
| 1/0 | 282 | 53 | 45.2 | 251 | 57 | 35.9 | 228 | 60 | 29.7 |
| 2/0 | 322 | 53 | 44.3 | 286 | 58 | 34.9 | 260 | 61 | 29.1 |
| 3/0 | 357 | 52 | 39.4 | 319 | 57 | 31.4 | 291 | 60 | 26.2 |
| 4/0 | 407 | 52 | 38.4 | 363 | 57 | 30.6 | 332 | 60 | 25.5 |
| 250 | 448 | 53 | 37.7 | 399 | 57 | 29.9 | 364 | 60 | 24.9 |
| 350 | 541 | 53 | 36.1 | 481 | 58 | 28.6 | 438 | 61 | 23.8 |
| 500 | 655 | 54 | 34.6 | 581 | 59 | 27.2 | 529 | 61 | 22.5 |
| 750 | 784 | 53 | 30.1 | 698 | 58 | 23.9 | 637 | 61 | 19.9 |
| 1000 | 889 | 54 | 29.1 | 791 | 58 | 23.0 | 720 | 61 | 19.1 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 90 | 52 | 42.8 | 80 | 57 | 33.7 | 73 | 60 | 27.9 |
| 6 | 119 | 54 | 43.7 | 105 | 59 | 33.9 | 95 | 62 | 27.7 |
| 4 | 154 | 54 | 41.9 | 135 | 59 | 32.3 | 122 | 62 | 26.4 |
| 2 | 199 | 55 | 40.2 | 174 | 60 | 30.8 | 157 | 63 | 25.1 |
| 1 | 227 | 56 | 39.0 | 198 | 60 | 29.9 | 178 | 63 | 24.3 |
| 1/0 | 258 | 56 | 38.1 | 225 | 61 | 29.0 | 202 | 64 | 23.4 |
| 2/0 | 294 | 57 | 37.1 | 256 | 61 | 28.0 | 230 | 64 | 22.6 |
| 3/0 | 327 | 56 | 33.1 | 286 | 60 | 25.3 | 257 | 63 | 20.5 |
| 4/0 | 372 | 56 | 32.1 | 325 | 61 | 24.5 | 292 | 63 | 19.8 |
| 250 | 408 | 57 | 31.3 | 356 | 61 | 23.8 | 320 | 64 | 19.2 |
| 350 | 490 | 57 | 29.7 | 426 | 62 | 22.5 | 382 | 64 | 18.0 |
| 500 | 590 | 58 | 28.0 | 511 | 62 | 21.1 | 458 | 65 | 16.9 |
| 750 | 703 | 58 | 24.2 | 611 | 62 | 18.3 | 547 | 64 | 14.7 |
| 1000 | 793 | 58 | 23.1 | 687 | 62 | 17.3 | 614 | 65 | 13.9 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 88 | 44 | 39.0 | 80 | 48 | 31.9 | 73 | 50 | 27.2 |
| 6 | 117 | 45 | 40.4 | 105 | 49 | 32.7 | 96 | 52 | 27.5 |
| 4 | 151 | 46 | 39.0 | 135 | 50 | 31.4 | 124 | 52 | 26.2 |
| 2 | 196 | 46 | 37.8 | 175 | 50 | 30.1 | 160 | 53 | 25.1 |
| 1 | 224 | 47 | 36.9 | 200 | 51 | 29.4 | 182 | 53 | 24.4 |
| 1/0 | 256 | 47 | 36.2 | 228 | 51 | 28.7 | 208 | 53 | 23.9 |
| 2/0 | 292 | 48 | 35.3 | 260 | 51 | 28.0 | 236 | 54 | 23.2 |
| 3/0 | 324 | 47 | 31.5 | 290 | 50 | 25.2 | 265 | 53 | 21.1 |
| 4/0 | 370 | 47 | 30.7 | 330 | 51 | 24.5 | 301 | 53 | 20.4 |
| 250 | 407 | 47 | 30.1 | 363 | 51 | 24.0 | 331 | 53 | 20.0 |
| 350 | 491 | 48 | 29.0 | 437 | 51 | 22.9 | 398 | 54 | 19.0 |
| 500 | 594 | 48 | 27.6 | 527 | 52 | 21.8 | 479 | 54 | 18.0 |
| 750 | 709 | 48 | 24.1 | 631 | 51 | 19.1 | 576 | 54 | 15.9 |
| 1000 | 803 | 48 | 23.2 | 714 | 52 | 18.4 | 650 | 54 | 15.3 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 82 | 46 | 34.1 | 73 | 50 | 27.0 | 66 | 53 | 22.3 |
| 6 | 109 | 48 | 34.9 | 96 | 52 | 27.3 | 87 | 54 | 22.3 |
| 4 | 140 | 49 | 33.5 | 123 | 52 | 25.8 | 111 | 55 | 21.0 |
| 2 | 181 | 49 | 32.2 | 158 | 53 | 24.7 | 143 | 55 | 20.0 |
| 1 | 206 | 50 | 31.3 | 180 | 53 | 24.0 | 162 | 56 | 19.4 |
| 1/0 | 235 | 50 | 30.5 | 205 | 54 | 23.2 | 184 | 56 | 18.7 |
| 2/0 | 267 | 51 | 29.6 | 233 | 54 | 22.5 | 209 | 56 | 18.1 |
| 3/0 | 297 | 50 | 26.5 | 260 | 53 | 20.3 | 234 | 55 | 16.4 |
| 4/0 | 338 | 50 | 25.7 | 295 | 54 | 19.6 | 265 | 56 | 15.8 |
| 250 | 371 | 50 | 25.1 | 323 | 54 | 19.0 | 290 | 56 | 15.4 |
| 350 | 445 | 51 | 23.8 | 387 | 54 | 18.0 | 347 | 56 | 14.5 |
| 500 | 535 | 52 | 22.4 | 464 | 55 | 16.8 | 415 | 57 | 13.5 |
| 750 | 636 | 51 | 19.4 | 552 | 54 | 14.6 | 495 | 57 | 11.8 |
| 1000 | 716 | 52 | 18.5 | 620 | 55 | 13.9 | 554 | 57 | 11.1 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 71 | 37 | 24.3 | 64 | 39 | 19.9 | 59 | 41 | 17.0 |
| 6 | 95 | 38 | 25.2 | 85 | 40 | 20.4 | 78 | 42 | 17.1 |
| 4 | 122 | 38 | 24.3 | 110 | 40 | 19.5 | 100 | 42 | 16.5 |
| 2 | 159 | 38 | 23.5 | 142 | 41 | 18.8 | 130 | 42 | 15.7 |
| 1 | 182 | 39 | 23.1 | 162 | 41 | 18.4 | 148 | 43 | 15.3 |
| 1/0 | 207 | 39 | 22.6 | 185 | 41 | 18.0 | 168 | 43 | 14.9 |
| 2/0 | 237 | 39 | 22.2 | 211 | 42 | 17.5 | 192 | 43 | 14.5 |
| 3/0 | 263 | 39 | 19.7 | 235 | 41 | 15.8 | 214 | 42 | 13.1 |
| 4/0 | 300 | 39 | 19.3 | 267 | 41 | 15.3 | 244 | 43 | 12.8 |
| 250 | 329 | 39 | 18.9 | 294 | 41 | 15.0 | 268 | 43 | 12.4 |
| 350 | 397 | 39 | 18.1 | 353 | 42 | 14.3 | 322 | 43 | 11.8 |
| 500 | 480 | 40 | 17.3 | 425 | 42 | 13.6 | 387 | 43 | 11.3 |
| 750 | 570 | 39 | 15.0 | 508 | 41 | 11.9 | 463 | 43 | 10.0 |
| 1000 | 644 | 40 | 14.5 | 572 | 42 | 11.5 | 521 | 43 | 9.6 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 67 | 38 | 21.4 | 59 | 41 | 17.0 | 54 | 42 | 14.1 |
| 6 | 88 | 39 | 21.8 | 78 | 42 | 17.1 | 70 | 43 | 13.9 |
| 4 | 113 | 40 | 20.9 | 100 | 42 | 16.3 | 90 | 44 | 13.2 |
| 2 | 147 | 40 | 20.0 | 128 | 42 | 15.5 | 116 | 44 | 12.5 |
| 1 | 167 | 40 | 19.5 | 146 | 43 | 14.9 | 131 | 44 | 12.1 |
| 1/0 | 190 | 41 | 19.1 | 166 | 43 | 14.6 | 149 | 44 | 11.8 |
| 2/0 | 217 | 41 | 18.5 | 189 | 43 | 14.0 | 169 | 45 | 11.4 |
| 3/0 | 241 | 40 | 16.6 | 211 | 43 | 12.7 | 189 | 44 | 10.2 |
| 4/0 | 274 | 41 | 16.0 | 239 | 43 | 12.2 | 215 | 44 | 9.9 |
| 250 | 300 | 41 | 15.6 | 262 | 43 | 11.9 | 235 | 44 | 9.6 |
| 350 | 360 | 41 | 14.8 | 313 | 43 | 11.2 | 280 | 45 | 9.1 |
| 500 | 432 | 42 | 14.1 | 374 | 44 | 10.5 | 335 | 45 | 8.5 |
| 750 | 511 | 41 | 12.1 | 444 | 43 | 9.2 | 398 | 45 | 7.3 |
| 1000 | 574 | 42 | 11.6 | 497 | 44 | 8.7 | 444 | 45 | 7.0 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 99 | 61 | 53.1 | 88 | 67 | 41.9 | 80 | 71 | 34.8 |
| 6 | 130 | 64 | 54.1 | 114 | 70 | 42.0 | 104 | 73 | 34.5 |
| 4 | 167 | 65 | 51.7 | 147 | 70 | 40.0 | 133 | 74 | 32.7 |
| 2 | 215 | 66 | 49.4 | 189 | 71 | 38.1 | 170 | 75 | 31.0 |
| 1 | 246 | 66 | 48.1 | 215 | 72 | 36.9 | 194 | 75 | 29.9 |
| 1/0 | 280 | 67 | 46.8 | 244 | 73 | 35.6 | 220 | 76 | 29.0 |
| 2/0 | 318 | 68 | 45.4 | 277 | 73 | 34.5 | 249 | 76 | 27.9 |
| 3/0 | 354 | 66 | 40.6 | 310 | 72 | 31.1 | 279 | 75 | 25.3 |
| 4/0 | 402 | 67 | 39.3 | 352 | 72 | 29.9 | 317 | 76 | 24.4 |
| 250 | 441 | 67 | 38.2 | 385 | 73 | 29.2 | 347 | 76 | 23.6 |
| 350 | 529 | 68 | 36.1 | 461 | 74 | 27.4 | 414 | 77 | 22.2 |
| 500 | 637 | 69 | 34.0 | 553 | 75 | 25.6 | 496 | 78 | 20.6 |
| 750 | 761 | 69 | 29.3 | 662 | 74 | 22.2 | 595 | 77 | 17.9 |
| 1000 | 858 | 70 | 27.8 | 745 | 75 | 20.9 | 668 | 78 | 16.9 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 89 | 66 | 43.7 | 78 | 72 | 33.2 | 70 | 75 | 26.8 |
| 6 | 117 | 69 | 43.7 | 101 | 74 | 32.7 | 90 | 77 | 26.2 |
| 4 | 149 | 70 | 41.5 | 129 | 75 | 31.0 | 115 | 78 | 24.7 |
| 2 | 192 | 71 | 39.3 | 165 | 76 | 29.1 | 147 | 79 | 23.1 |
| 1 | 218 | 71 | 37.9 | 187 | 76 | 28.1 | 167 | 79 | 22.1 |
| 1/0 | 248 | 72 | 36.7 | 212 | 77 | 26.9 | 189 | 80 | 21.2 |
| 2/0 | 281 | 73 | 35.3 | 240 | 77 | 25.9 | 213 | 80 | 20.4 |
| 3/0 | 313 | 71 | 31.7 | 269 | 76 | 23.3 | 239 | 79 | 18.6 |
| 4/0 | 355 | 72 | 30.4 | 304 | 77 | 22.4 | 270 | 80 | 17.6 |
| 250 | 388 | 73 | 29.6 | 332 | 77 | 21.6 | 295 | 80 | 17.0 |
| 350 | 463 | 74 | 27.6 | 395 | 78 | 20.1 | 350 | 81 | 15.9 |
| 500 | 553 | 75 | 25.6 | 471 | 79 | 18.6 | 417 | 81 | 14.5 |
| 750 | 658 | 74 | 22.0 | 561 | 78 | 15.9 | 497 | 81 | 12.5 |
| 1000 | 738 | 75 | 20.6 | 628 | 79 | 14.9 | 555 | 82 | 11.7 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 92 | 55 | 44.8 | 82 | 61 | 35.5 | 74 | 64 | 29.4 |
| 6 | 121 | 58 | 45.8 | 107 | 63 | 35.6 | 97 | 66 | 29.1 |
| 4 | 156 | 58 | 43.8 | 137 | 63 | 33.9 | 124 | 66 | 27.7 |
| 2 | 201 | 59 | 41.8 | 177 | 64 | 32.2 | 159 | 67 | 26.3 |
| 1 | 229 | 60 | 40.7 | 201 | 65 | 31.2 | 181 | 68 | 25.3 |
| 1/0 | 261 | 61 | 39.5 | 228 | 65 | 30.2 | 205 | 68 | 24.5 |
| 2/0 | 297 | 61 | 38.4 | 259 | 66 | 29.2 | 233 | 68 | 23.7 |
| 3/0 | 330 | 60 | 34.3 | 289 | 65 | 26.4 | 261 | 67 | 21.5 |
| 4/0 | 376 | 60 | 33.2 | 328 | 65 | 25.3 | 296 | 68 | 20.6 |
| 250 | 412 | 61 | 32.4 | 360 | 65 | 24.7 | 324 | 68 | 20.0 |
| 350 | 494 | 62 | 30.6 | 430 | 66 | 23.2 | 386 | 69 | 18.8 |
| 500 | 594 | 63 | 28.8 | 516 | 67 | 21.7 | 462 | 69 | 17.5 |
| 750 | 707 | 62 | 24.8 | 616 | 66 | 18.8 | 553 | 69 | 15.2 |
| 1000 | 797 | 63 | 23.5 | 692 | 67 | 17.8 | 621 | 70 | 14.3 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 83 | 60 | 37.0 | 73 | 65 | 28.1 | 65 | 68 | 22.5 |
| 6 | 109 | 62 | 37.0 | 94 | 67 | 27.7 | 84 | 69 | 22.1 |
| 4 | 140 | 63 | 35.2 | 120 | 67 | 26.2 | 108 | 70 | 20.9 |
| 2 | 179 | 64 | 33.2 | 154 | 68 | 24.5 | 138 | 70 | 19.5 |
| 1 | 204 | 64 | 32.2 | 175 | 68 | 23.6 | 156 | 71 | 18.7 |
| 1/0 | 231 | 65 | 31.0 | 198 | 69 | 22.8 | 176 | 71 | 18.0 |
| 2/0 | 262 | 65 | 29.9 | 224 | 69 | 21.9 | 199 | 72 | 17.2 |
| 3/0 | 292 | 64 | 26.9 | 251 | 68 | 19.7 | 223 | 71 | 15.6 |
| 4/0 | 331 | 65 | 25.8 | 284 | 69 | 19.0 | 252 | 71 | 15.0 |
| 250 | 362 | 65 | 25.1 | 310 | 69 | 18.3 | 275 | 72 | 14.4 |
| 350 | 432 | 66 | 23.5 | 368 | 70 | 17.1 | 327 | 72 | 13.4 |
| 500 | 516 | 67 | 21.7 | 439 | 71 | 15.8 | 388 | 73 | 12.3 |
| 750 | 612 | 67 | 18.6 | 522 | 70 | 13.5 | 462 | 72 | 10.6 |
| 1000 | 686 | 67 | 17.4 | 582 | 71 | 12.6 | 515 | 73 | 9.9 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 88 | 53 | 40.8 | 79 | 57 | 32.3 | 72 | 60 | 26.8 |
| 6 | 117 | 55 | 41.6 | 103 | 59 | 32.2 | 93 | 62 | 26.4 |
| 4 | 150 | 55 | 39.8 | 132 | 60 | 30.8 | 119 | 63 | 25.3 |
| 2 | 193 | 56 | 38.1 | 170 | 61 | 29.2 | 153 | 63 | 23.8 |
| 1 | 221 | 57 | 37.1 | 193 | 61 | 28.4 | 174 | 64 | 23.0 |
| 1/0 | 251 | 57 | 35.9 | 219 | 62 | 27.4 | 197 | 64 | 22.3 |
| 2/0 | 286 | 58 | 34.9 | 249 | 62 | 26.6 | 224 | 65 | 21.5 |
| 3/0 | 317 | 57 | 31.1 | 278 | 61 | 24.0 | 251 | 64 | 19.5 |
| 4/0 | 361 | 57 | 30.2 | 316 | 61 | 23.1 | 284 | 64 | 18.8 |
| 250 | 396 | 58 | 29.4 | 345 | 62 | 22.5 | 311 | 64 | 18.2 |
| 350 | 474 | 58 | 27.8 | 413 | 62 | 21.1 | 371 | 65 | 17.1 |
| 500 | 570 | 59 | 26.1 | 495 | 63 | 19.8 | 444 | 65 | 15.9 |
| 750 | 678 | 59 | 22.6 | 590 | 63 | 17.1 | 530 | 65 | 13.9 |
| 1000 | 763 | 59 | 21.4 | 663 | 63 | 16.1 | 594 | 66 | 13.0 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 80 | 57 | 33.7 | 70 | 61 | 25.4 | 63 | 64 | 20.5 |
| 6 | 105 | 59 | 33.7 | 91 | 63 | 25.2 | 81 | 65 | 20.2 |
| 4 | 134 | 59 | 32.0 | 116 | 63 | 23.7 | 103 | 66 | 18.9 |
| 2 | 172 | 60 | 30.3 | 148 | 64 | 22.5 | 132 | 66 | 17.8 |
| 1 | 196 | 61 | 29.2 | 168 | 64 | 21.5 | 150 | 67 | 17.1 |
| 1/0 | 222 | 61 | 28.2 | 190 | 65 | 20.8 | 169 | 67 | 16.4 |
| 2/0 | 252 | 62 | 27.2 | 216 | 65 | 19.9 | 191 | 67 | 15.8 |
| 3/0 | 281 | 61 | 24.4 | 241 | 64 | 18.0 | 214 | 67 | 14.3 |
| 4/0 | 318 | 61 | 23.5 | 273 | 65 | 17.3 | 242 | 67 | 13.7 |
| 250 | 348 | 62 | 22.7 | 298 | 65 | 16.7 | 264 | 67 | 13.1 |
| 350 | 415 | 62 | 21.3 | 354 | 66 | 15.5 | 314 | 68 | 12.2 |
| 500 | 495 | 63 | 19.8 | 421 | 66 | 14.2 | 373 | 68 | 11.2 |
| 750 | 587 | 63 | 16.9 | 500 | 66 | 12.3 | 443 | 68 | 9.6 |
| 1000 | 657 | 63 | 15.8 | 558 | 67 | 11.4 | 493 | 69 | 9.0 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 80 | 47 | 32.6 | 71 | 51 | 25.9 | 65 | 53 | 21.4 |
| 6 | 106 | 49 | 33.3 | 93 | 52 | 25.8 | 85 | 55 | 21.2 |
| 4 | 136 | 49 | 31.8 | 120 | 53 | 24.7 | 108 | 55 | 20.1 |
| 2 | 176 | 50 | 30.5 | 154 | 54 | 23.3 | 139 | 56 | 19.0 |
| 1 | 200 | 51 | 29.5 | 175 | 54 | 22.6 | 158 | 56 | 18.4 |
| 1/0 | 228 | 51 | 28.8 | 199 | 54 | 22.0 | 179 | 56 | 17.8 |
| 2/0 | 260 | 51 | 27.9 | 226 | 55 | 21.2 | 203 | 57 | 17.2 |
| 3/0 | 288 | 50 | 24.9 | 253 | 54 | 19.1 | 228 | 56 | 15.5 |
| 4/0 | 328 | 51 | 24.1 | 287 | 54 | 18.5 | 258 | 56 | 15.0 |
| 250 | 359 | 51 | 23.5 | 314 | 54 | 18.0 | 282 | 56 | 14.5 |
| 350 | 431 | 52 | 22.3 | 375 | 55 | 16.8 | 337 | 57 | 13.6 |
| 500 | 517 | 52 | 20.9 | 449 | 56 | 15.8 | 402 | 57 | 12.7 |
| 750 | 614 | 52 | 18.1 | 534 | 55 | 13.7 | 479 | 57 | 11.1 |
| 1000 | 689 | 53 | 17.1 | 598 | 56 | 13.0 | 536 | 58 | 10.4 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 73 | 50 | 26.8 | 64 | 54 | 20.5 | 57 | 56 | 16.5 |
| 6 | 95 | 52 | 26.8 | 82 | 55 | 20.2 | 74 | 57 | 16.0 |
| 4 | 122 | 52 | 25.6 | 105 | 56 | 18.9 | 94 | 58 | 15.1 |
| 2 | 157 | 53 | 24.2 | 135 | 56 | 17.9 | 120 | 58 | 14.3 |
| 1 | 178 | 54 | 23.3 | 153 | 57 | 17.2 | 136 | 58 | 13.6 |
| 1/0 | 202 | 54 | 22.6 | 173 | 57 | 16.6 | 154 | 59 | 13.2 |
| 2/0 | 229 | 54 | 21.8 | 196 | 57 | 15.9 | 174 | 59 | 12.6 |
| 3/0 | 255 | 54 | 19.5 | 219 | 57 | 14.4 | 195 | 58 | 11.4 |
| 4/0 | 289 | 54 | 18.8 | 248 | 57 | 13.8 | 220 | 59 | 10.9 |
| 250 | 316 | 54 | 18.2 | 270 | 57 | 13.4 | 240 | 59 | 10.5 |
| 350 | 376 | 55 | 17.1 | 321 | 58 | 12.4 | 285 | 59 | 9.7 |
| 500 | 449 | 56 | 15.8 | 382 | 58 | 11.4 | 338 | 60 | 8.9 |
| 750 | 531 | 55 | 13.5 | 452 | 58 | 9.8 | 400 | 59 | 7.7 |
| 1000 | 593 | 56 | 12.7 | 503 | 58 | 9.1 | 445 | 60 | 7.2 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 65 | 39 | 20.5 | 58 | 41 | 16.1 | 53 | 43 | 13.4 |
| 6 | 86 | 40 | 20.8 | 76 | 42 | 16.2 | 69 | 44 | 13.3 |
| 4 | 110 | 40 | 19.9 | 97 | 42 | 15.3 | 88 | 44 | 12.6 |
| 2 | 143 | 41 | 19.0 | 125 | 43 | 14.6 | 113 | 44 | 11.8 |
| 1 | 162 | 41 | 18.5 | 142 | 43 | 14.1 | 128 | 44 | 11.5 |
| 1/0 | 185 | 41 | 18.0 | 161 | 43 | 13.8 | 145 | 45 | 11.2 |
| 2/0 | 210 | 42 | 17.5 | 183 | 44 | 13.3 | 165 | 45 | 10.7 |
| 3/0 | 234 | 41 | 15.6 | 205 | 43 | 11.9 | 184 | 44 | 9.7 |
| 4/0 | 266 | 41 | 15.0 | 232 | 43 | 11.6 | 209 | 45 | 9.3 |
| 250 | 291 | 41 | 14.7 | 254 | 43 | 11.2 | 228 | 45 | 9.1 |
| 350 | 348 | 42 | 14.0 | 303 | 44 | 10.6 | 272 | 45 | 8.5 |
| 500 | 417 | 42 | 13.1 | 362 | 44 | 9.9 | 324 | 45 | 8.0 |
| 750 | 493 | 42 | 11.3 | 429 | 44 | 8.5 | 385 | 45 | 6.9 |
| 1000 | 552 | 42 | 10.7 | 479 | 44 | 8.1 | 429 | 45 | 6.5 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### Direct Buried - 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 | | | | |
| 8 | 59 | 41 | 16.7 | 52 | 43 | 12.7 | 46 | 44 | 10.3 |
| 6 | 77 | 42 | 16.9 | 67 | 44 | 12.7 | 60 | 45 | 10.0 |
| 4 | 99 | 42 | 15.9 | 85 | 44 | 11.9 | 76 | 45 | 9.6 |
| 2 | 127 | 43 | 15.1 | 109 | 45 | 11.1 | 97 | 46 | 8.9 |
| 1 | 144 | 43 | 14.6 | 124 | 45 | 10.8 | 110 | 46 | 8.5 |
| 1/0 | 164 | 43 | 14.1 | 140 | 45 | 10.4 | 125 | 46 | 8.2 |
| 2/0 | 186 | 43 | 13.6 | 159 | 45 | 9.9 | 141 | 46 | 7.9 |
| 3/0 | 207 | 43 | 12.2 | 177 | 45 | 9.0 | 158 | 46 | 7.2 |
| 4/0 | 234 | 43 | 11.7 | 200 | 45 | 8.6 | 178 | 46 | 6.8 |
| 250 | 256 | 43 | 11.3 | 219 | 45 | 8.3 | 194 | 46 | 6.6 |
| 350 | 304 | 44 | 10.7 | 260 | 45 | 7.8 | 230 | 46 | 6.1 |
| 500 | 362 | 44 | 9.9 | 308 | 46 | 7.1 | 273 | 47 | 5.6 |
| 750 | 427 | 44 | 8.4 | 363 | 46 | 6.1 | 322 | 47 | 4.9 |
| 1000 | 475 | 44 | 7.9 | 403 | 46 | 5.8 | 356 | 47 | 4.5 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Conduit in Air

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 | | | | |
| 8 | 54 | 56 | 40 | 46 |
| 6 | 70 | 73 | 52 | 60 |
| 4 | 90 | 94 | 67 | 77 |
| 2 | 122 | 126 | 89 | 101 |
| 1 | 139 | 144 | 101 | 115 |
| 1/0 | 159 | 165 | 116 | 132 |
| 2/0 | 182 | 188 | 133 | 151 |
| 3/0 | 207 | 215 | 151 | 172 |
| 4/0 | 236 | 245 | 172 | 196 |
| 250 | 260 | 270 | 190 | 216 |
| 350 | 314 | 327 | 230 | 262 |
| 500 | 394 | 408 | 285 | 321 |
| 750 | 483 | 501 | 349 | 394 |
| 1000 | 564 | 583 | 404 | 453 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable in Conduit in Air

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 | | | | |
| 8 | 45 | 47 | 26 | 34 |
| 6 | 59 | 62 | 34 | 45 |
| 4 | 76 | 80 | 43 | 58 |
| 2 | 103 | 106 | 56 | 73 |
| 1 | 117 | 122 | 64 | 84 |
| 1/0 | 134 | 139 | 73 | 96 |
| 2/0 | 153 | 159 | 83 | 110 |
| 3/0 | 174 | 182 | 95 | 125 |
| 4/0 | 199 | 208 | 109 | 143 |
| 250 | 219 | 229 | 119 | 157 |
| 350 | 264 | 277 | 144 | 190 |
| 500 | 331 | 344 | 175 | 229 |
| 750 | 405 | 422 | 214 | 280 |
| 1000 | 472 | 489 | 243 | 316 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Free Air

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 | | | | |
| 8 | 73 | 84 | 57 | 72 |
| 6 | 97 | 112 | 75 | 96 |
| 4 | 127 | 146 | 98 | 124 |
| 2 | 167 | 191 | 128 | 161 |
| 1 | 192 | 219 | 148 | 185 |
| 1/0 | 222 | 252 | 170 | 212 |
| 2/0 | 255 | 289 | 195 | 242 |
| 3/0 | 290 | 325 | 221 | 270 |
| 4/0 | 334 | 374 | 254 | 309 |
| 250 | 371 | 413 | 281 | 341 |
| 350 | 455 | 504 | 343 | 413 |
| 500 | 561 | 619 | 421 | 504 |
| 750 | 693 | 757 | 515 | 610 |
| 1000 | 799 | 870 | 592 | 697 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### in Free Air

### 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 | | | | |
| 8 | 61 | 72 | 38 | 57 |
| 6 | 81 | 96 | 51 | 75 |
| 4 | 106 | 124 | 66 | 96 |
| 2 | 140 | 163 | 86 | 125 |
| 1 | 161 | 187 | 98 | 142 |
| 1/0 | 186 | 215 | 112 | 162 |
| 2/0 | 214 | 246 | 129 | 185 |
| 3/0 | 243 | 277 | 145 | 206 |
| 4/0 | 280 | 318 | 166 | 234 |
| 250 | 310 | 352 | 183 | 257 |
| 350 | 381 | 429 | 222 | 310 |
| 500 | 469 | 526 | 270 | 375 |
| 750 | 578 | 642 | 326 | 448 |
| 1000 | 665 | 735 | 371 | 508 |

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Not for Resale

5 kV Shielded Three Conductor Extruded Dielectric Cable

in Unventilated Riser

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 | | | | |
| 8 | 52 | 56 | 44 | 51 |
| 6 | 67 | 74 | 57 | 67 |
| 4 | 86 | 95 | 74 | 87 |
| 2 | 121 | 131 | 103 | 116 |
| 1 | 139 | 150 | 118 | 133 |
| 1/0 | 158 | 171 | 135 | 152 |
| 2/0 | 180 | 196 | 154 | 174 |
| 3/0 | 204 | 222 | 174 | 198 |
| 4/0 | 233 | 253 | 198 | 226 |
| 250 | 255 | 278 | 217 | 249 |
| 350 | 306 | 335 | 261 | 301 |
| 500 | 388 | 419 | 331 | 375 |
| 750 | 463 | 503 | 396 | 453 |
| 1000 | 541 | 581 | 462 | 520 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable in Unventilated Riser

40°C Air Ambient

| Condr Size | No Sun | | Full Sun | |
|---|---|---|---|---|
| | 0 Ft/s | 2 Ft/s | 0 Ft/s | 2 Ft/s |
| 75°C - Copper Conductor - Concentric Strand | | | | |
| 8 | 43 | 47 | 32 | 40 |
| 6 | 56 | 61 | 42 | 52 |
| 4 | 72 | 80 | 54 | 68 |
| 2 | 100 | 109 | 74 | 89 |
| 1 | 115 | 125 | 84 | 102 |
| 1/0 | 131 | 143 | 97 | 117 |
| 2/0 | 149 | 163 | 110 | 133 |
| 3/0 | 169 | 185 | 126 | 152 |
| 4/0 | 193 | 211 | 144 | 174 |
| 250 | 211 | 232 | 158 | 191 |
| 350 | 252 | 279 | 191 | 232 |
| 500 | 320 | 348 | 241 | 285 |
| 750 | 381 | 417 | 292 | 348 |
| 1000 | 444 | 480 | 340 | 400 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 54 | 53 | 53 | 51 | 52 | 49 |
| 6 | 71 | 69 | 69 | 66 | 67 | 64 |
| 4 | 92 | 89 | 89 | 86 | 87 | 82 |
| 2 | 120 | 116 | 116 | 111 | 113 | 107 |
| 1 | 137 | 133 | 133 | 127 | 130 | 122 |
| 1/0 | 157 | 152 | 152 | 145 | 148 | 139 |
| 2/0 | 180 | 174 | 174 | 166 | 169 | 159 |
| 3/0 | 205 | 198 | 199 | 188 | 193 | 180 |
| 4/0 | 236 | 227 | 228 | 215 | 220 | 206 |
| 250 | 260 | 250 | 251 | 237 | 243 | 226 |
| 350 | 317 | 304 | 306 | 287 | 295 | 273 |
| 500 | 391 | 373 | 375 | 352 | 361 | 333 |
| 750 | 491 | 467 | 470 | 438 | 451 | 414 |
| 1000 | 576 | 545 | 549 | 509 | 525 | 480 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 48 | 47 | 47 | 45 | 46 | 44 |
| 6 | 63 | 61 | 61 | 59 | 60 | 57 |
| 4 | 81 | 79 | 79 | 76 | 77 | 73 |
| 2 | 106 | 103 | 103 | 98 | 100 | 95 |
| 1 | 121 | 117 | 118 | 113 | 115 | 108 |
| 1/0 | 139 | 134 | 135 | 128 | 131 | 123 |
| 2/0 | 159 | 154 | 154 | 147 | 150 | 141 |
| 3/0 | 182 | 175 | 176 | 167 | 171 | 160 |
| 4/0 | 209 | 201 | 201 | 191 | 195 | 182 |
| 250 | 230 | 221 | 222 | 210 | 215 | 200 |
| 350 | 281 | 269 | 270 | 254 | 261 | 242 |
| 500 | 345 | 330 | 332 | 311 | 320 | 295 |
| 750 | 434 | 413 | 415 | 388 | 399 | 367 |
| 1000 | 508 | 481 | 485 | 451 | 464 | 424 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 50 | 47 | 48 | 44 | 46 | 41 |
| 6 | 66 | 62 | 62 | 57 | 59 | 53 |
| 4 | 85 | 79 | 80 | 73 | 76 | 68 |
| 2 | 110 | 102 | 104 | 94 | 98 | 88 |
| 1 | 126 | 117 | 118 | 107 | 112 | 99 |
| 1/0 | 144 | 133 | 135 | 121 | 127 | 113 |
| 2/0 | 164 | 151 | 153 | 138 | 144 | 128 |
| 3/0 | 186 | 171 | 174 | 156 | 163 | 145 |
| 4/0 | 213 | 196 | 198 | 177 | 186 | 164 |
| 250 | 234 | 215 | 217 | 194 | 204 | 179 |
| 350 | 283 | 259 | 263 | 233 | 245 | 215 |
| 500 | 347 | 314 | 319 | 282 | 297 | 259 |
| 750 | 431 | 388 | 395 | 348 | 365 | 317 |
| 1000 | 500 | 449 | 457 | 400 | 423 | 364 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## in Underground Duct Bank - 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 | | | | | | |
| 8 | 45 | 42 | 43 | 39 | 41 | 37 |
| 6 | 58 | 55 | 55 | 51 | 53 | 47 |
| 4 | 75 | 70 | 71 | 65 | 67 | 61 |
| 2 | 98 | 91 | 92 | 84 | 87 | 78 |
| 1 | 111 | 103 | 105 | 95 | 99 | 88 |
| 1/0 | 127 | 118 | 119 | 108 | 113 | 100 |
| 2/0 | 145 | 134 | 136 | 123 | 128 | 114 |
| 3/0 | 165 | 152 | 154 | 139 | 145 | 129 |
| 4/0 | 189 | 173 | 176 | 158 | 165 | 146 |
| 250 | 208 | 190 | 193 | 173 | 181 | 160 |
| 350 | 251 | 229 | 233 | 207 | 218 | 191 |
| 500 | 307 | 278 | 283 | 251 | 264 | 230 |
| 750 | 382 | 345 | 350 | 309 | 326 | 282 |
| 1000 | 443 | 398 | 405 | 355 | 375 | 323 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 46 | 42 | 42 | 37 | 39 | 34 |
| 6 | 59 | 53 | 54 | 48 | 50 | 43 |
| 4 | 76 | 69 | 70 | 61 | 64 | 55 |
| 2 | 98 | 88 | 89 | 78 | 82 | 71 |
| 1 | 112 | 100 | 101 | 88 | 93 | 80 |
| 1/0 | 127 | 114 | 115 | 100 | 106 | 90 |
| 2/0 | 145 | 129 | 131 | 113 | 120 | 102 |
| 3/0 | 164 | 145 | 148 | 127 | 136 | 115 |
| 4/0 | 187 | 164 | 168 | 144 | 153 | 129 |
| 250 | 205 | 180 | 184 | 157 | 167 | 141 |
| 350 | 246 | 215 | 219 | 187 | 200 | 168 |
| 500 | 299 | 260 | 265 | 225 | 240 | 201 |
| 750 | 369 | 319 | 325 | 275 | 294 | 245 |
| 1000 | 425 | 366 | 374 | 315 | 337 | 280 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 41 | 37 | 37 | 33 | 35 | 30 |
| 6 | 53 | 48 | 48 | 43 | 45 | 39 |
| 4 | 68 | 61 | 62 | 54 | 57 | 49 |
| 2 | 87 | 79 | 80 | 69 | 73 | 63 |
| 1 | 99 | 89 | 90 | 79 | 83 | 71 |
| 1/0 | 113 | 101 | 102 | 89 | 94 | 80 |
| 2/0 | 129 | 115 | 116 | 101 | 107 | 91 |
| 3/0 | 146 | 130 | 132 | 113 | 120 | 102 |
| 4/0 | 166 | 146 | 149 | 128 | 136 | 116 |
| 250 | 182 | 160 | 163 | 140 | 149 | 126 |
| 350 | 219 | 192 | 195 | 167 | 178 | 150 |
| 500 | 266 | 231 | 235 | 201 | 214 | 179 |
| 750 | 328 | 283 | 289 | 245 | 262 | 218 |
| 1000 | 378 | 325 | 333 | 280 | 299 | 249 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 43 | 38 | 39 | 33 | 36 | 30 |
| 6 | 55 | 48 | 50 | 43 | 46 | 39 |
| 4 | 70 | 62 | 63 | 54 | 58 | 49 |
| 2 | 90 | 79 | 81 | 69 | 74 | 62 |
| 1 | 102 | 89 | 92 | 78 | 84 | 70 |
| 1/0 | 116 | 101 | 104 | 88 | 95 | 79 |
| 2/0 | 132 | 114 | 118 | 99 | 107 | 90 |
| 3/0 | 149 | 129 | 133 | 112 | 121 | 101 |
| 4/0 | 169 | 146 | 150 | 126 | 136 | 113 |
| 250 | 185 | 159 | 164 | 138 | 148 | 123 |
| 350 | 222 | 190 | 196 | 164 | 177 | 146 |
| 500 | 268 | 228 | 235 | 197 | 213 | 175 |
| 750 | 329 | 278 | 288 | 240 | 259 | 213 |
| 1000 | 379 | 319 | 329 | 273 | 296 | 242 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Underground Duct Bank - 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 | | | | | | |
| 8 | 38 | 33 | 34 | 30 | 32 | 27 |
| 6 | 49 | 43 | 44 | 38 | 41 | 34 |
| 4 | 62 | 55 | 56 | 48 | 52 | 44 |
| 2 | 80 | 70 | 72 | 62 | 66 | 56 |
| 1 | 91 | 80 | 82 | 70 | 75 | 63 |
| 1/0 | 104 | 90 | 93 | 79 | 84 | 71 |
| 2/0 | 117 | 102 | 105 | 89 | 95 | 80 |
| 3/0 | 133 | 115 | 118 | 100 | 108 | 90 |
| 4/0 | 150 | 130 | 134 | 113 | 122 | 101 |
| 250 | 165 | 142 | 146 | 123 | 133 | 110 |
| 350 | 197 | 169 | 175 | 147 | 158 | 131 |
| 500 | 238 | 203 | 210 | 176 | 189 | 156 |
| 750 | 292 | 248 | 257 | 214 | 230 | 190 |
| 1000 | 336 | 283 | 293 | 243 | 263 | 217 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 84 | 55 | 63.4 | 76 | 62 | 52.0 | 70 | 66 | 44.2 |
| 6 | 111 | 58 | 65.5 | 100 | 64 | 52.8 | 92 | 68 | 44.5 |
| 4 | 144 | 59 | 63.3 | 129 | 65 | 50.9 | 118 | 69 | 42.7 |
| 2 | 187 | 60 | 61.3 | 167 | 66 | 48.9 | 153 | 70 | 40.9 |
| 1 | 214 | 61 | 60.0 | 191 | 67 | 47.7 | 174 | 71 | 39.7 |
| 1/0 | 245 | 61 | 58.9 | 218 | 67 | 46.6 | 198 | 71 | 38.7 |
| 2/0 | 280 | 62 | 57.5 | 249 | 68 | 45.4 | 226 | 72 | 37.7 |
| 3/0 | 311 | 60 | 51.2 | 278 | 66 | 40.8 | 254 | 70 | 34.2 |
| 4/0 | 355 | 61 | 50.0 | 317 | 67 | 39.8 | 289 | 70 | 33.2 |
| 250 | 392 | 61 | 48.9 | 349 | 67 | 38.9 | 318 | 71 | 32.4 |
| 350 | 476 | 62 | 46.9 | 423 | 68 | 37.1 | 386 | 72 | 30.8 |
| 500 | 585 | 63 | 44.7 | 519 | 69 | 35.2 | 472 | 72 | 29.2 |
| 750 | 720 | 62 | 38.9 | 641 | 67 | 31.0 | 585 | 71 | 25.8 |
| 1000 | 843 | 62 | 37.5 | 750 | 68 | 29.7 | 684 | 72 | 24.7 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### Direct Buried - 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 | | | | |
| 8 | 78 | 60 | 55.5 | 70 | 66 | 43.9 | 63 | 70 | 36.4 |
| 6 | 104 | 62 | 56.8 | 91 | 69 | 44.1 | 83 | 72 | 36.0 |
| 4 | 133 | 63 | 54.5 | 117 | 69 | 42.1 | 106 | 73 | 34.2 |
| 2 | 173 | 64 | 52.2 | 151 | 70 | 40.0 | 136 | 74 | 32.5 |
| 1 | 197 | 65 | 50.9 | 172 | 71 | 38.9 | 155 | 75 | 31.5 |
| 1/0 | 224 | 66 | 49.6 | 196 | 72 | 37.6 | 176 | 75 | 30.5 |
| 2/0 | 256 | 66 | 48.2 | 223 | 72 | 36.5 | 200 | 76 | 29.4 |
| 3/0 | 285 | 65 | 42.9 | 249 | 71 | 32.9 | 224 | 74 | 26.6 |
| 4/0 | 325 | 65 | 41.6 | 283 | 71 | 31.8 | 255 | 75 | 25.7 |
| 250 | 357 | 66 | 40.7 | 311 | 72 | 30.9 | 280 | 75 | 24.9 |
| 350 | 431 | 67 | 38.6 | 375 | 73 | 29.2 | 336 | 76 | 23.5 |
| 500 | 527 | 68 | 36.3 | 457 | 73 | 27.3 | 409 | 77 | 21.8 |
| 750 | 646 | 67 | 31.4 | 561 | 73 | 23.7 | 503 | 76 | 19.0 |
| 1000 | 752 | 68 | 29.9 | 652 | 73 | 22.5 | 584 | 77 | 18.0 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 78 | 51 | 53.5 | 71 | 56 | 43.9 | 65 | 60 | 37.3 |
| 6 | 104 | 53 | 55.5 | 93 | 58 | 44.7 | 86 | 62 | 37.7 |
| 4 | 134 | 54 | 53.6 | 120 | 59 | 43.0 | 110 | 62 | 36.2 |
| 2 | 175 | 55 | 51.9 | 156 | 60 | 41.4 | 143 | 63 | 34.5 |
| 1 | 200 | 55 | 50.9 | 178 | 60 | 40.4 | 163 | 64 | 33.6 |
| 1/0 | 229 | 56 | 49.7 | 203 | 61 | 39.5 | 185 | 64 | 32.8 |
| 2/0 | 261 | 56 | 48.6 | 232 | 61 | 38.4 | 211 | 64 | 31.8 |
| 3/0 | 290 | 55 | 43.3 | 259 | 60 | 34.6 | 237 | 63 | 28.9 |
| 4/0 | 332 | 55 | 42.2 | 296 | 60 | 33.7 | 270 | 63 | 28.1 |
| 250 | 366 | 55 | 41.4 | 326 | 61 | 32.9 | 298 | 64 | 27.4 |
| 350 | 445 | 56 | 39.7 | 396 | 61 | 31.4 | 360 | 64 | 26.1 |
| 500 | 546 | 57 | 37.9 | 485 | 62 | 29.8 | 441 | 65 | 24.7 |
| 750 | 671 | 56 | 33.0 | 598 | 61 | 26.2 | 546 | 64 | 21.8 |
| 1000 | 786 | 57 | 31.8 | 699 | 61 | 25.2 | 638 | 65 | 20.9 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | | |
| 8 | 73 | 54 | 47.1 | 65 | 60 | 37.0 | 59 | 63 | 30.8 |
| 6 | 97 | 57 | 48.1 | 85 | 62 | 37.2 | 77 | 65 | 30.6 |
| 4 | 125 | 57 | 46.1 | 110 | 62 | 35.6 | 99 | 66 | 29.1 |
| 2 | 161 | 58 | 44.2 | 141 | 63 | 33.9 | 127 | 67 | 27.5 |
| 1 | 184 | 59 | 43.0 | 161 | 64 | 32.8 | 145 | 67 | 26.6 |
| 1/0 | 210 | 60 | 42.0 | 183 | 64 | 31.9 | 164 | 67 | 25.7 |
| 2/0 | 239 | 60 | 40.7 | 208 | 65 | 31.0 | 187 | 68 | 24.8 |
| 3/0 | 266 | 59 | 36.3 | 233 | 64 | 27.8 | 209 | 67 | 22.5 |
| 4/0 | 303 | 59 | 35.3 | 265 | 64 | 26.8 | 238 | 67 | 21.7 |
| 250 | 333 | 60 | 34.4 | 291 | 65 | 26.1 | 261 | 68 | 21.2 |
| 350 | 403 | 60 | 32.6 | 351 | 65 | 24.7 | 314 | 68 | 19.8 |
| 500 | 492 | 61 | 30.7 | 426 | 66 | 23.1 | 382 | 69 | 18.5 |
| 750 | 603 | 61 | 26.6 | 524 | 65 | 20.1 | 469 | 68 | 16.2 |
| 1000 | 701 | 61 | 25.3 | 608 | 66 | 19.0 | 544 | 69 | 15.3 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 75 | 48 | 48.6 | 68 | 53 | 39.9 | 63 | 56 | 33.9 |
| 6 | 100 | 50 | 50.6 | 90 | 55 | 40.8 | 82 | 58 | 34.1 |
| 4 | 129 | 51 | 48.8 | 116 | 56 | 39.2 | 106 | 59 | 32.7 |
| 2 | 168 | 52 | 47.2 | 150 | 57 | 37.6 | 137 | 60 | 31.3 |
| 1 | 192 | 52 | 46.1 | 171 | 57 | 36.8 | 156 | 60 | 30.5 |
| 1/0 | 220 | 53 | 45.2 | 196 | 57 | 35.8 | 178 | 60 | 29.7 |
| 2/0 | 251 | 53 | 44.3 | 223 | 58 | 34.9 | 203 | 61 | 28.9 |
| 3/0 | 279 | 52 | 39.4 | 249 | 57 | 31.4 | 228 | 60 | 26.2 |
| 4/0 | 319 | 52 | 38.4 | 285 | 57 | 30.6 | 260 | 60 | 25.5 |
| 250 | 352 | 53 | 37.6 | 313 | 57 | 29.9 | 286 | 60 | 24.9 |
| 350 | 427 | 53 | 36.1 | 380 | 58 | 28.6 | 346 | 61 | 23.8 |
| 500 | 525 | 54 | 34.4 | 466 | 59 | 27.2 | 424 | 61 | 22.5 |
| 750 | 645 | 53 | 30.0 | 575 | 58 | 23.8 | 524 | 61 | 19.8 |
| 1000 | 755 | 54 | 28.9 | 671 | 58 | 22.9 | 612 | 61 | 19.0 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 71 | 52 | 42.8 | 63 | 57 | 33.7 | 57 | 60 | 27.9 |
| 6 | 93 | 54 | 43.7 | 82 | 58 | 33.9 | 74 | 62 | 27.7 |
| 4 | 120 | 54 | 41.9 | 105 | 59 | 32.3 | 95 | 62 | 26.4 |
| 2 | 155 | 55 | 40.2 | 136 | 60 | 30.8 | 122 | 63 | 25.1 |
| 1 | 177 | 56 | 39.0 | 155 | 60 | 29.9 | 139 | 63 | 24.3 |
| 1/0 | 202 | 56 | 38.1 | 176 | 61 | 29.0 | 158 | 64 | 23.4 |
| 2/0 | 230 | 57 | 37.1 | 200 | 61 | 28.0 | 180 | 64 | 22.6 |
| 3/0 | 256 | 56 | 33.0 | 224 | 60 | 25.3 | 201 | 63 | 20.5 |
| 4/0 | 291 | 56 | 32.1 | 255 | 61 | 24.5 | 229 | 63 | 19.8 |
| 250 | 320 | 57 | 31.2 | 279 | 61 | 23.8 | 251 | 64 | 19.2 |
| 350 | 387 | 57 | 29.6 | 337 | 62 | 22.4 | 302 | 64 | 18.0 |
| 500 | 473 | 58 | 27.9 | 410 | 62 | 21.0 | 367 | 65 | 16.8 |
| 750 | 579 | 57 | 24.1 | 503 | 62 | 18.2 | 451 | 64 | 14.6 |
| 1000 | 673 | 58 | 23.0 | 583 | 62 | 17.3 | 522 | 65 | 13.8 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 68 | 44 | 39.0 | 62 | 48 | 31.9 | 57 | 50 | 27.2 |
| 6 | 91 | 45 | 40.4 | 82 | 49 | 32.7 | 75 | 52 | 27.5 |
| 4 | 118 | 46 | 39.0 | 105 | 50 | 31.4 | 96 | 52 | 26.2 |
| 2 | 153 | 46 | 37.8 | 136 | 50 | 30.1 | 125 | 53 | 25.1 |
| 1 | 175 | 47 | 36.9 | 156 | 51 | 29.4 | 142 | 53 | 24.4 |
| 1/0 | 200 | 47 | 36.2 | 178 | 51 | 28.7 | 162 | 53 | 23.9 |
| 2/0 | 228 | 48 | 35.3 | 203 | 51 | 27.9 | 185 | 54 | 23.2 |
| 3/0 | 254 | 47 | 31.4 | 227 | 50 | 25.2 | 207 | 53 | 21.1 |
| 4/0 | 290 | 47 | 30.7 | 259 | 51 | 24.5 | 236 | 53 | 20.4 |
| 250 | 320 | 47 | 30.1 | 285 | 51 | 23.9 | 260 | 53 | 20.0 |
| 350 | 388 | 48 | 28.9 | 345 | 51 | 22.8 | 315 | 54 | 19.0 |
| 500 | 477 | 48 | 27.5 | 423 | 52 | 21.8 | 385 | 54 | 18.0 |
| 750 | 585 | 48 | 24.0 | 522 | 51 | 19.0 | 476 | 53 | 15.8 |
| 1000 | 684 | 48 | 23.1 | 609 | 52 | 18.3 | 555 | 54 | 15.2 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | | |
| 8 | 64 | 46 | 34.1 | 57 | 50 | 27.0 | 52 | 53 | 22.3 |
| 6 | 85 | 48 | 34.9 | 75 | 52 | 27.3 | 67 | 54 | 22.3 |
| 4 | 109 | 49 | 33.5 | 96 | 52 | 25.8 | 86 | 55 | 21.0 |
| 2 | 141 | 49 | 32.2 | 124 | 53 | 24.7 | 111 | 55 | 20.0 |
| 1 | 161 | 50 | 31.3 | 141 | 53 | 24.0 | 127 | 56 | 19.4 |
| 1/0 | 183 | 50 | 30.5 | 160 | 54 | 23.2 | 144 | 56 | 18.7 |
| 2/0 | 209 | 51 | 29.6 | 182 | 54 | 22.5 | 163 | 56 | 18.1 |
| 3/0 | 232 | 50 | 26.5 | 203 | 53 | 20.3 | 183 | 55 | 16.4 |
| 4/0 | 265 | 50 | 25.6 | 231 | 54 | 19.5 | 208 | 56 | 15.8 |
| 250 | 291 | 50 | 25.1 | 254 | 54 | 19.0 | 228 | 56 | 15.4 |
| 350 | 352 | 51 | 23.8 | 306 | 54 | 17.9 | 274 | 56 | 14.4 |
| 500 | 429 | 51 | 22.3 | 372 | 55 | 16.8 | 333 | 57 | 13.5 |
| 750 | 525 | 51 | 19.3 | 456 | 54 | 14.6 | 409 | 56 | 11.7 |
| 1000 | 610 | 52 | 18.4 | 529 | 55 | 13.8 | 473 | 57 | 11.1 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | | |
| 8 | 56 | 37 | 24.3 | 50 | 39 | 19.9 | 46 | 41 | 17.0 |
| 6 | 74 | 38 | 25.2 | 66 | 40 | 20.4 | 61 | 42 | 17.1 |
| 4 | 95 | 38 | 24.3 | 85 | 40 | 19.5 | 78 | 42 | 16.5 |
| 2 | 124 | 38 | 23.5 | 111 | 41 | 18.8 | 101 | 42 | 15.7 |
| 1 | 142 | 39 | 23.1 | 126 | 41 | 18.4 | 115 | 43 | 15.3 |
| 1/0 | 162 | 39 | 22.6 | 144 | 41 | 18.0 | 131 | 43 | 14.9 |
| 2/0 | 185 | 39 | 22.1 | 165 | 41 | 17.5 | 150 | 43 | 14.5 |
| 3/0 | 206 | 38 | 19.6 | 184 | 41 | 15.8 | 168 | 42 | 13.1 |
| 4/0 | 235 | 39 | 19.1 | 210 | 41 | 15.3 | 192 | 43 | 12.8 |
| 250 | 259 | 39 | 18.8 | 231 | 41 | 15.0 | 211 | 43 | 12.4 |
| 350 | 315 | 39 | 18.0 | 280 | 41 | 14.3 | 255 | 43 | 11.8 |
| 500 | 386 | 40 | 17.2 | 343 | 42 | 13.6 | 312 | 43 | 11.2 |
| 750 | 473 | 39 | 15.0 | 422 | 41 | 11.9 | 385 | 43 | 10.0 |
| 1000 | 552 | 39 | 14.5 | 491 | 42 | 11.4 | 447 | 43 | 9.5 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 52 | 38 | 21.4 | 46 | 41 | 17.0 | 42 | 42 | 14.1 |
| 6 | 69 | 39 | 21.8 | 61 | 42 | 17.1 | 55 | 43 | 13.9 |
| 4 | 88 | 40 | 20.9 | 78 | 42 | 16.3 | 70 | 44 | 13.2 |
| 2 | 114 | 40 | 20.0 | 100 | 42 | 15.5 | 90 | 44 | 12.5 |
| 1 | 131 | 40 | 19.5 | 114 | 43 | 14.9 | 103 | 44 | 12.1 |
| 1/0 | 149 | 41 | 19.1 | 130 | 43 | 14.6 | 117 | 44 | 11.8 |
| 2/0 | 170 | 41 | 18.5 | 148 | 43 | 14.0 | 132 | 45 | 11.2 |
| 3/0 | 189 | 40 | 16.6 | 165 | 43 | 12.7 | 148 | 44 | 10.2 |
| 4/0 | 215 | 41 | 16.0 | 188 | 43 | 12.2 | 169 | 44 | 9.9 |
| 250 | 236 | 41 | 15.6 | 206 | 43 | 11.9 | 185 | 44 | 9.6 |
| 350 | 285 | 41 | 14.8 | 248 | 43 | 11.2 | 222 | 45 | 9.1 |
| 500 | 348 | 42 | 14.0 | 301 | 44 | 10.5 | 270 | 45 | 8.5 |
| 750 | 425 | 41 | 12.1 | 369 | 43 | 9.2 | 331 | 45 | 7.3 |
| 1000 | 492 | 42 | 11.5 | 427 | 44 | 8.6 | 382 | 45 | 6.9 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 77 | 61 | 53.1 | 68 | 67 | 41.9 | 62 | 71 | 34.8 |
| 6 | 101 | 64 | 54.1 | 89 | 70 | 42.0 | 81 | 73 | 34.5 |
| 4 | 130 | 65 | 51.7 | 114 | 70 | 40.0 | 103 | 74 | 32.7 |
| 2 | 168 | 66 | 49.4 | 147 | 71 | 37.9 | 133 | 75 | 31.0 |
| 1 | 191 | 66 | 48.1 | 168 | 72 | 36.9 | 151 | 75 | 29.9 |
| 1/0 | 218 | 67 | 46.8 | 190 | 73 | 35.6 | 171 | 76 | 29.0 |
| 2/0 | 248 | 68 | 45.4 | 217 | 73 | 34.5 | 195 | 76 | 27.9 |
| 3/0 | 276 | 66 | 40.6 | 242 | 72 | 31.1 | 218 | 75 | 25.3 |
| 4/0 | 315 | 67 | 39.3 | 275 | 72 | 29.9 | 248 | 76 | 24.4 |
| 250 | 346 | 67 | 38.2 | 302 | 73 | 29.1 | 272 | 76 | 23.6 |
| 350 | 418 | 68 | 36.1 | 364 | 74 | 27.4 | 327 | 77 | 22.2 |
| 500 | 509 | 69 | 33.9 | 442 | 74 | 25.6 | 397 | 77 | 20.6 |
| 750 | 623 | 69 | 29.2 | 543 | 74 | 22.1 | 488 | 77 | 17.9 |
| 1000 | 725 | 70 | 27.7 | 629 | 75 | 20.9 | 565 | 78 | 16.8 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 70 | 66 | 43.7 | 61 | 72 | 33.2 | 54 | 75 | 26.8 |
| 6 | 91 | 69 | 43.7 | 79 | 74 | 32.7 | 70 | 77 | 26.2 |
| 4 | 116 | 70 | 41.5 | 100 | 75 | 31.0 | 90 | 78 | 24.7 |
| 2 | 150 | 71 | 39.3 | 129 | 76 | 29.1 | 115 | 79 | 23.1 |
| 1 | 170 | 71 | 37.9 | 146 | 76 | 28.1 | 130 | 79 | 22.1 |
| 1/0 | 193 | 72 | 36.7 | 166 | 77 | 26.9 | 147 | 80 | 21.2 |
| 2/0 | 219 | 73 | 35.3 | 188 | 77 | 25.9 | 167 | 80 | 20.4 |
| 3/0 | 244 | 71 | 31.7 | 210 | 76 | 23.3 | 187 | 79 | 18.6 |
| 4/0 | 278 | 72 | 30.4 | 238 | 77 | 22.4 | 211 | 80 | 17.6 |
| 250 | 304 | 73 | 29.6 | 260 | 77 | 21.6 | 231 | 80 | 17.0 |
| 350 | 365 | 73 | 27.6 | 312 | 78 | 20.1 | 276 | 81 | 15.9 |
| 500 | 442 | 74 | 25.6 | 376 | 79 | 18.5 | 333 | 81 | 14.5 |
| 750 | 540 | 74 | 21.9 | 460 | 78 | 15.9 | 407 | 81 | 12.5 |
| 1000 | 624 | 75 | 20.5 | 530 | 79 | 14.8 | 469 | 81 | 11.7 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 72 | 55 | 44.8 | 64 | 61 | 35.5 | 58 | 64 | 29.4 |
| 6 | 94 | 58 | 45.8 | 83 | 63 | 35.6 | 75 | 66 | 29.1 |
| 4 | 121 | 58 | 43.8 | 107 | 63 | 33.9 | 97 | 66 | 27.7 |
| 2 | 157 | 59 | 41.8 | 138 | 64 | 32.2 | 124 | 67 | 26.3 |
| 1 | 179 | 60 | 40.7 | 157 | 65 | 31.2 | 141 | 68 | 25.3 |
| 1/0 | 204 | 61 | 39.5 | 178 | 65 | 30.2 | 160 | 68 | 24.5 |
| 2/0 | 232 | 61 | 38.4 | 202 | 66 | 29.2 | 182 | 68 | 23.7 |
| 3/0 | 258 | 60 | 34.3 | 226 | 65 | 26.4 | 204 | 67 | 21.3 |
| 4/0 | 294 | 60 | 33.2 | 257 | 65 | 25.3 | 232 | 68 | 20.6 |
| 250 | 323 | 61 | 32.3 | 282 | 65 | 24.6 | 254 | 68 | 20.0 |
| 350 | 390 | 62 | 30.6 | 340 | 66 | 23.2 | 305 | 69 | 18.8 |
| 500 | 475 | 63 | 28.7 | 413 | 67 | 21.7 | 370 | 69 | 17.5 |
| 750 | 582 | 62 | 24.8 | 506 | 66 | 18.8 | 455 | 69 | 15.1 |
| 1000 | 675 | 63 | 23.5 | 587 | 67 | 17.7 | 526 | 70 | 14.3 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 65 | 60 | 37.0 | 57 | 65 | 28.1 | 51 | 68 | 22.5 |
| 6 | 85 | 62 | 37.0 | 73 | 67 | 27.7 | 66 | 69 | 22.1 |
| 4 | 109 | 63 | 35.2 | 94 | 67 | 26.2 | 84 | 70 | 20.9 |
| 2 | 140 | 64 | 33.2 | 120 | 68 | 24.5 | 107 | 70 | 19.5 |
| 1 | 159 | 64 | 32.2 | 136 | 68 | 23.6 | 121 | 71 | 18.7 |
| 1/0 | 181 | 65 | 31.0 | 155 | 69 | 22.8 | 137 | 71 | 18.0 |
| 2/0 | 205 | 65 | 29.9 | 175 | 69 | 21.9 | 156 | 72 | 17.2 |
| 3/0 | 228 | 64 | 26.8 | 196 | 68 | 19.7 | 174 | 71 | 15.6 |
| 4/0 | 259 | 65 | 25.8 | 222 | 69 | 18.9 | 198 | 71 | 14.9 |
| 250 | 284 | 65 | 24.9 | 243 | 69 | 18.3 | 216 | 71 | 14.4 |
| 350 | 341 | 66 | 23.3 | 291 | 70 | 17.1 | 258 | 72 | 13.4 |
| 500 | 413 | 67 | 21.7 | 351 | 70 | 15.7 | 311 | 73 | 12.3 |
| 750 | 504 | 66 | 18.6 | 429 | 70 | 13.5 | 380 | 72 | 10.6 |
| 1000 | 581 | 67 | 17.4 | 494 | 71 | 12.6 | 437 | 73 | 9.9 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 69 | 53 | 40.8 | 61 | 57 | 32.3 | 56 | 60 | 26.8 |
| 6 | 91 | 55 | 41.6 | 80 | 59 | 32.2 | 73 | 62 | 26.4 |
| 4 | 117 | 55 | 39.8 | 103 | 60 | 30.8 | 93 | 63 | 25.3 |
| 2 | 151 | 56 | 37.9 | 132 | 61 | 29.2 | 119 | 63 | 23.8 |
| 1 | 172 | 57 | 36.9 | 151 | 61 | 28.4 | 136 | 64 | 23.0 |
| 1/0 | 196 | 57 | 35.9 | 171 | 62 | 27.4 | 154 | 64 | 22.3 |
| 2/0 | 223 | 58 | 34.9 | 194 | 62 | 26.6 | 175 | 65 | 21.5 |
| 3/0 | 248 | 57 | 31.1 | 217 | 61 | 24.0 | 196 | 64 | 19.5 |
| 4/0 | 283 | 57 | 30.2 | 247 | 61 | 23.1 | 223 | 64 | 18.8 |
| 250 | 311 | 58 | 29.4 | 271 | 62 | 22.5 | 244 | 64 | 18.2 |
| 350 | 375 | 58 | 27.8 | 326 | 62 | 21.1 | 293 | 65 | 17.1 |
| 500 | 457 | 59 | 26.1 | 397 | 63 | 19.7 | 356 | 65 | 15.9 |
| 750 | 559 | 59 | 22.5 | 486 | 63 | 17.0 | 437 | 65 | 13.8 |
| 1000 | 648 | 59 | 21.3 | 563 | 63 | 16.1 | 505 | 65 | 13.0 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 63 | 57 | 33.7 | 54 | 61 | 25.4 | 49 | 64 | 20.5 |
| 6 | 82 | 59 | 33.7 | 71 | 63 | 25.2 | 63 | 65 | 20.2 |
| 4 | 105 | 59 | 32.0 | 90 | 63 | 23.7 | 81 | 66 | 18.9 |
| 2 | 134 | 60 | 30.3 | 116 | 64 | 22.5 | 103 | 66 | 17.8 |
| 1 | 153 | 61 | 29.2 | 131 | 64 | 21.5 | 117 | 67 | 17.1 |
| 1/0 | 174 | 61 | 28.2 | 149 | 65 | 20.8 | 132 | 67 | 16.4 |
| 2/0 | 197 | 62 | 27.2 | 168 | 65 | 19.9 | 150 | 67 | 15.8 |
| 3/0 | 220 | 61 | 24.4 | 188 | 64 | 18.0 | 168 | 67 | 14.2 |
| 4/0 | 249 | 61 | 23.5 | 214 | 65 | 17.3 | 190 | 67 | 13.7 |
| 250 | 273 | 62 | 22.7 | 234 | 65 | 16.7 | 208 | 67 | 13.1 |
| 350 | 328 | 62 | 21.2 | 280 | 66 | 15.5 | 248 | 68 | 12.2 |
| 500 | 397 | 63 | 19.7 | 338 | 66 | 14.2 | 299 | 68 | 11.2 |
| 750 | 484 | 63 | 16.9 | 412 | 66 | 12.3 | 365 | 68 | 9.6 |
| 1000 | 558 | 63 | 15.8 | 474 | 67 | 11.4 | 417 | 68 | 8.9 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 63 | 47 | 32.6 | 56 | 51 | 25.9 | 51 | 53 | 21.4 |
| 6 | 83 | 49 | 33.3 | 73 | 52 | 25.8 | 66 | 55 | 21.2 |
| 4 | 106 | 49 | 31.8 | 93 | 53 | 24.7 | 84 | 55 | 20.1 |
| 2 | 137 | 50 | 30.5 | 120 | 54 | 23.3 | 109 | 56 | 19.0 |
| 1 | 156 | 51 | 29.5 | 137 | 54 | 22.6 | 123 | 56 | 18.4 |
| 1/0 | 178 | 51 | 28.8 | 156 | 54 | 22.0 | 140 | 56 | 17.8 |
| 2/0 | 203 | 51 | 27.9 | 177 | 55 | 21.2 | 159 | 57 | 17.2 |
| 3/0 | 226 | 50 | 24.9 | 198 | 54 | 19.1 | 178 | 56 | 15.5 |
| 4/0 | 257 | 51 | 24.1 | 225 | 54 | 18.4 | 202 | 56 | 14.9 |
| 250 | 282 | 51 | 23.5 | 247 | 54 | 18.0 | 222 | 56 | 14.5 |
| 350 | 341 | 52 | 22.3 | 297 | 55 | 16.8 | 267 | 57 | 13.6 |
| 500 | 415 | 52 | 20.9 | 360 | 55 | 15.8 | 323 | 57 | 12.6 |
| 750 | 507 | 52 | 18.0 | 441 | 55 | 13.6 | 396 | 57 | 11.0 |
| 1000 | 588 | 52 | 17.1 | 510 | 56 | 12.9 | 458 | 57 | 10.4 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable

## Direct Buried - 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 | | | | |
| 8 | 57 | 50 | 26.8 | 50 | 54 | 20.5 | 44 | 56 | 16.5 |
| 6 | 74 | 52 | 26.8 | 64 | 55 | 20.2 | 57 | 57 | 16.0 |
| 4 | 95 | 52 | 25.6 | 82 | 56 | 18.9 | 73 | 58 | 15.1 |
| 2 | 122 | 53 | 24.2 | 105 | 56 | 17.9 | 94 | 58 | 14.3 |
| 1 | 139 | 54 | 23.3 | 119 | 57 | 17.2 | 106 | 58 | 13.6 |
| 1/0 | 158 | 54 | 22.6 | 135 | 57 | 16.6 | 120 | 59 | 13.2 |
| 2/0 | 179 | 54 | 21.8 | 153 | 57 | 15.9 | 136 | 59 | 12.6 |
| 3/0 | 200 | 54 | 19.5 | 171 | 57 | 14.4 | 152 | 58 | 11.4 |
| 4/0 | 227 | 54 | 18.8 | 194 | 57 | 13.8 | 173 | 59 | 10.9 |
| 250 | 248 | 54 | 18.2 | 212 | 57 | 13.4 | 189 | 59 | 10.5 |
| 350 | 298 | 55 | 17.1 | 254 | 58 | 12.4 | 225 | 59 | 9.7 |
| 500 | 360 | 55 | 15.8 | 307 | 58 | 11.4 | 271 | 60 | 8.9 |
| 750 | 439 | 55 | 13.5 | 374 | 58 | 9.8 | 331 | 59 | 7.7 |
| 1000 | 506 | 56 | 12.7 | 430 | 58 | 9.1 | 380 | 60 | 7.2 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

Direct Buried - 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 | | | | |
| 8 | 51 | 39 | 20.5 | 45 | 41 | 16.1 | 41 | 43 | 13.4 |
| 6 | 67 | 40 | 20.8 | 59 | 42 | 16.2 | 53 | 44 | 13.3 |
| 4 | 86 | 40 | 19.9 | 76 | 42 | 15.3 | 69 | 44 | 12.6 |
| 2 | 111 | 41 | 19.0 | 98 | 43 | 14.6 | 88 | 44 | 11.8 |
| 1 | 127 | 41 | 18.5 | 111 | 43 | 14.1 | 100 | 44 | 11.5 |
| 1/0 | 144 | 41 | 18.0 | 126 | 43 | 13.8 | 114 | 45 | 11.2 |
| 2/0 | 165 | 42 | 17.4 | 143 | 44 | 13.3 | 129 | 45 | 10.7 |
| 3/0 | 183 | 41 | 15.6 | 160 | 43 | 11.9 | 144 | 44 | 9.7 |
| 4/0 | 208 | 41 | 15.0 | 182 | 43 | 11.6 | 164 | 45 | 9.3 |
| 250 | 229 | 41 | 14.7 | 200 | 43 | 11.2 | 180 | 45 | 9.1 |
| 350 | 276 | 42 | 13.9 | 240 | 44 | 10.6 | 216 | 45 | 8.5 |
| 500 | 336 | 42 | 13.0 | 292 | 44 | 9.9 | 261 | 45 | 7.9 |
| 750 | 410 | 42 | 11.2 | 356 | 44 | 8.5 | 320 | 45 | 6.8 |
| 1000 | 474 | 42 | 10.7 | 412 | 44 | 8.1 | 369 | 45 | 6.5 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### Direct Buried - 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 | | | | | |
| 8 | 46 | 41 | 16.7 | 40 | 43 | 12.7 | 36 | 44 | 10.3 |
| 6 | 60 | 42 | 16.9 | 52 | 44 | 12.7 | 47 | 45 | 10.0 |
| 4 | 77 | 42 | 15.9 | 67 | 44 | 11.9 | 59 | 45 | 9.6 |
| 2 | 99 | 43 | 15.1 | 85 | 45 | 11.1 | 76 | 46 | 8.9 |
| 1 | 113 | 43 | 14.6 | 97 | 45 | 10.8 | 86 | 46 | 8.5 |
| 1/0 | 128 | 43 | 14.1 | 110 | 45 | 10.4 | 97 | 46 | 8.2 |
| 2/0 | 145 | 43 | 13.6 | 124 | 45 | 9.9 | 110 | 46 | 7.9 |
| 3/0 | 162 | 43 | 12.2 | 139 | 45 | 9.0 | 124 | 46 | 7.2 |
| 4/0 | 184 | 43 | 11.7 | 157 | 45 | 8.6 | 140 | 46 | 6.8 |
| 250 | 201 | 43 | 11.3 | 172 | 45 | 8.3 | 153 | 46 | 6.6 |
| 350 | 241 | 44 | 10.7 | 206 | 45 | 7.8 | 183 | 46 | 6.1 |
| 500 | 292 | 44 | 9.9 | 248 | 46 | 7.1 | 220 | 47 | 5.6 |
| 750 | 355 | 44 | 8.4 | 302 | 46 | 6.1 | 267 | 47 | 4.8 |
| 1000 | 408 | 44 | 7.9 | 347 | 46 | 5.7 | 306 | 47 | 4.5 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Conduit in Air

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 | | | | |
| 8 | 42 | 44 | 31 | 36 |
| 6 | 55 | 57 | 40 | 47 |
| 4 | 70 | 74 | 52 | 60 |
| 2 | 95 | 98 | 69 | 78 |
| 1 | 109 | 112 | 79 | 90 |
| 1/0 | 124 | 128 | 90 | 103 |
| 2/0 | 142 | 147 | 103 | 118 |
| 3/0 | 162 | 168 | 118 | 134 |
| 4/0 | 185 | 192 | 135 | 154 |
| 250 | 204 | 212 | 149 | 170 |
| 350 | 248 | 258 | 181 | 207 |
| 500 | 315 | 326 | 228 | 257 |
| 750 | 396 | 411 | 286 | 323 |
| 1000 | 477 | 492 | 341 | 382 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### in Conduit in Air

### 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** | | | | |
| 8 | 35 | 37 | 20 | 27 |
| 6 | 46 | 48 | 26 | 35 |
| 4 | 59 | 62 | 34 | 45 |
| 2 | 80 | 83 | 44 | 57 |
| 1 | 92 | 95 | 50 | 65 |
| 1/0 | 105 | 109 | 57 | 75 |
| 2/0 | 120 | 125 | 65 | 86 |
| 3/0 | 136 | 142 | 74 | 98 |
| 4/0 | 156 | 163 | 85 | 112 |
| 250 | 172 | 180 | 94 | 123 |
| 350 | 209 | 219 | 114 | 150 |
| 500 | 266 | 276 | 140 | 184 |
| 750 | 333 | 347 | 176 | 231 |
| 1000 | 401 | 416 | 206 | 268 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Free Air

40°C Air Ambient

| Condr Size | No Sun | | Full Sun | |
|---|---|---|---|---|
| | 0 Ft/s | 2 Ft/s | 0 Ft/s | 2 Ft/s |
| 90°C - Aluminum Conductor - Concentric Strand | | | | |
| 8 | 57 | 66 | 44 | 56 |
| 6 | 75 | 87 | 58 | 75 |
| 4 | 99 | 113 | 76 | 97 |
| 2 | 130 | 149 | 100 | 126 |
| 1 | 150 | 171 | 115 | 144 |
| 1/0 | 173 | 196 | 132 | 165 |
| 2/0 | 199 | 226 | 152 | 189 |
| 3/0 | 227 | 254 | 172 | 211 |
| 4/0 | 262 | 292 | 199 | 242 |
| 250 | 291 | 324 | 220 | 267 |
| 350 | 359 | 398 | 270 | 326 |
| 500 | 448 | 495 | 336 | 403 |
| 750 | 568 | 620 | 422 | 500 |
| 1000 | 674 | 734 | 499 | 588 |

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## 5 kV Shielded Three Conductor Extruded Dielectric Cable

### in Free Air

### 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** | | | | |
| 8 | 48 | 56 | 30 | 44 |
| 6 | 63 | 74 | 39 | 58 |
| 4 | 83 | 97 | 51 | 75 |
| 2 | 109 | 127 | 67 | 97 |
| 1 | 126 | 146 | 77 | 111 |
| 1/0 | 145 | 167 | 88 | 127 |
| 2/0 | 167 | 192 | 101 | 145 |
| 3/0 | 190 | 217 | 113 | 161 |
| 4/0 | 220 | 249 | 130 | 183 |
| 250 | 244 | 276 | 144 | 202 |
| 350 | 301 | 339 | 175 | 245 |
| 500 | 376 | 421 | 216 | 301 |
| 750 | 476 | 528 | 268 | 369 |
| 1000 | 565 | 624 | 315 | 431 |

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5 kV Shielded Three Conductor Extruded Dielectric Cable

in Unventilated Riser

40°C Air Ambient

| Condr Size | No Sun | | Full Sun | |
|---|---|---|---|---|
| | 0 Ft/s | 2 Ft/s | 0 Ft/s | 2 Ft/s |
| 90°C - Aluminum Conductor - Concentric Strand | | | | |
| 8 | 40 | 44 | 34 | 40 |
| 6 | 52 | 57 | 44 | 52 |
| 4 | 67 | 74 | 57 | 68 |
| 2 | 94 | 102 | 80 | 90 |
| 1 | 108 | 117 | 92 | 103 |
| 1/0 | 123 | 134 | 105 | 118 |
| 2/0 | 141 | 153 | 120 | 136 |
| 3/0 | 160 | 174 | 136 | 154 |
| 4/0 | 183 | 199 | 156 | 177 |
| 250 | 201 | 219 | 171 | 195 |
| 350 | 243 | 266 | 207 | 238 |
| 500 | 314 | 339 | 268 | 300 |
| 750 | 389 | 422 | 332 | 375 |
| 1000 | 472 | 506 | 403 | 448 |

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# 5 kV Shielded Three Conductor Extruded Dielectric Cable in Unventilated Riser

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 | | | | |
| 8 | 33 | 37 | 25 | 31 |
| 6 | 43 | 48 | 32 | 41 |
| 4 | 56 | 62 | 42 | 53 |
| 2 | 78 | 85 | 57 | 69 |
| 1 | 90 | 97 | 66 | 79 |
| 1/0 | 102 | 111 | 75 | 91 |
| 2/0 | 117 | 128 | 86 | 104 |
| 3/0 | 133 | 145 | 98 | 119 |
| 4/0 | 151 | 166 | 113 | 136 |
| 250 | 166 | 183 | 124 | 150 |
| 350 | 201 | 222 | 151 | 183 |
| 500 | 260 | 283 | 193 | 229 |
| 750 | 321 | 351 | 242 | 287 |
| 1000 | 390 | 421 | 293 | 340 |

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