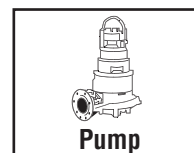
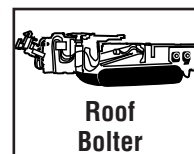


36-503 • Type SHD-GC 3/C • 2000 Volts

| 36-503- | Power Conductors | | | Grounding Conductors | | Jacket Thickness mils | Nominal Outside Dimensions in. | Approx. Weight lbs. per 1,000 ft. | Ampacity* 40°C Ambient Temp |
|---------|------------------|----------------------------|---------------------------|----------------------|----------------------------|-----------------------|--------------------------------|-----------------------------------|-----------------------------|
| | Size AWG | No. of Wires per Conductor | Insulation Thickness mils | Size AWG | No. of Wires per Conductor | | | | |
| 006 | 6 | 133 | 70 | 10 | 49 | 155 | 1.29 | 1160 | 93 |
| 004 | 4 | 259 | 70 | 8 | 133 | 155 | 1.40 | 1490 | 122 |
| 002 | 2 | 259 | 70 | 6 | 133 | 170 | 1.59 | 2000 | 159 |
| 001 | 1 | 259 | 80 | 5 | 133 | 190 | 1.76 | 2450 | 184 |
| 010 | 1/0 | 266 | 80 | 4 | 259 | 190 | 1.86 | 2840 | 211 |
| 020 | 2/0 | 323 | 80 | 3 | 259 | 205 | 2.00 | 3400 | 243 |
| 030 | 3/0 | 418 | 80 | 2 | 259 | 205 | 2.13 | 3680 | 279 |
| 040 | 4/0 | 532 | 80 | 1 | 259 | 220 | 2.31 | 4860 | 321 |
| 250 | 250 | 627 | 95 | 1/0 | 266 | 220 | 2.51 | 5950 | 355 |
| 350 | 350 | 888 | 95 | 2/0 | 323 | 235 | 2.81 | 7400 | 435 |
| 500 | 500 | 1221 | 95 | 4/0 | 532 | 265 | 3.19 | 10100 | 536 |

Primary Usage Recommendation



*Ampacity – Based on continuous duty at 90°C conductor temperature.

1 Jacket – Extra-Heavy-Duty (EHD) CPE jacket. Black is standard. Colored EHD CPE jackets available upon request. See page 42.

2 Ground Check Conductor – 10 AWG (minimum 49 strand 7x7) ground check conductor on 8 AWG through 2 AWG cable.

8 AWG (minimum 133 strand 7x19) ground check conductor on 1 AWG through 4/0 AWG cable.

6 AWG (minimum 133 strand 7x19) ground check conductor on 250 kcmil and larger cable.

Tolerances – ± 5% of nominal outside diameter

Correction Factors

For ampacities for various ambient temperatures above or below 40°C.¹

| Ambient Temp. Degrees C | Multiplying Correction Factors |
|-------------------------|--------------------------------|
| 10 | 1.26 |
| 20 | 1.18 |
| 30 | 1.10 |
| 40 | 1.00 |
| 50 | 0.90 |

¹Tables reproduced from standards publication ICEA-S-75-381, NEMA WC-58

AWG/Metric Cross Reference

| AWG/kcmil Size | Area of AWG/kcmil in mm ² | Nearest Standard Metric Cond. mm ² |
|----------------|--------------------------------------|-----------------------------------------------|
| 22 | 0.35 | 0.50 |
| 20 | 0.52 | 0.50 |
| 18 | 0.82 | 1.00 |
| 16 | 1.31 | 1.50 |
| 14 | 2.08 | 2.50 |
| 12 | 3.31 | 4 |
| 10 | 5.26 | 6 |
| 8 | 8.37 | 10 |
| 6 | 13.30 | 16 |
| 4 | 21.15 | 25 |
| 2 | 33.62 | 35 |
| 1 | 42.41 | 50 |
| 1/0 | 53.49 | 50 |
| 2/0 | 67.43 | 70 |
| 3/0 | 85.01 | 95 |
| 4/0 | 107.2 | 120 |
| 250 | 126.7 | 120 |
| 300 | 152.0 | 150 |
| 350 | 177.3 | 185 |
| 400 | 202.7 | 240 |
| 500 | 253.4 | 240 |
| 600 | 304.0 | 300 |
| 750 | 380.0 | 400 |
| 800 | 405.4 | 400 |
| 1000 | 506.7 | 500 |

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