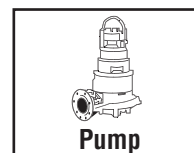
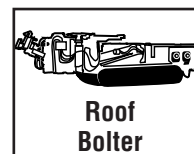


### 36-503 • Type SHD-GC 3/C • 2000 Volts

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.<sup>1</sup>

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

<sup>1</sup>Tables reproduced from standards publication ICEA-S-75-381, NEMA WC-58

### AWG/Metric Cross Reference

AWG/kcmil Size	Area of AWG/kcmil in mm <sup>2</sup>	Nearest Standard Metric Cond. mm <sup>2</sup>
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



Tiger® Brand is a registered trademark of AmerCable Incorporated.