



Jacketed MC

XHHW-2
50% Ground
600 Volt Copper

Description:

3 or 4 conductors, stranded, insulated with heat and moisture resistant crosslinked polyethylene (type XHHW-2), phase identified and cabled with suitable fillers (when necessary) and bare copper ground conductor (3 segmented grounds). Cable core covered with binder tape and aluminum or galvanized steel interlocked armor, with black PVC jacket. **Jacket available in colors.**

Application:

Suitable for use in hazardous locations:

Class I - Div 2

Class II - Div 2

Standards:

UL 1569

ICEA S-95-658/NEMA WC-70

Flame Rated: IEEE 383 (70,000 BTU)

ICEA T-29-520 (210,000 BTU)

IEEE 1202/CSA FT-4

Two-hour Firewall

Temperature Rated at 90°C Wet/Dry

Sunlight and Oil Resistant II Jacket

Direct Burial¹

Color Code: Method 4 (other color codes available)

RoHS Compliant

| | Part Number | Size AWG or Kcmil | Strand (no.) | Insulation Thickness (mils) | Grounding Conductors (AWG) | Diameter Over Armor (inch) | PVCJacket Thickness (mils) | Approx. Diameter Overall (inch) | Approx. Net Weight (lb/1000') | | Ampacity* (30°C ambient) 90°C Wet/Dry |
|------------------------|--------------|-------------------------|-----------------|-----------------------------------|----------------------------------|-------------------------------------|----------------------------------|--|----------------------------------|----------------|---|
| | | | | | | | | | Alum. Armor | Galv. Armor | |
| THREE CONDUCTOR | AAP8/3G3#14 | 8 | 7 | 45 | 3-#14 | 0.73 | 50 | 0.83 | 405 | 489 | 55 |
| | AAP6/3G3#12 | 6 | 7 | 45 | 3-#12 | 0.81 | 50 | 0.91 | 550 | 646 | 75 |
| | AAP4/3G3#10 | 4 | 7 | 45 | 3-#10 | 0.91 | 50 | 1.01 | 771 | 892 | 95 |
| | AAP3/3G3#10 | 3 | 7 | 45 | 3-#10 | 0.97 | 50 | 1.07 | 896 | 1,018 | 115 |
| | AAP2/3G3#8 | 2 | 7 | 45 | 3-#8 | 1.03 | 50 | 1.13 | 1,107 | 1,238 | 130 |
| | AAP1/3G3#8 | 1 | 19 | 55 | 3-#8 | 1.15 | 50 | 1.25 | 1,326 | 1,475 | 145 |
| | AAP1/03G3#6 | 1/0 | 19 | 55 | 3-#6 | 1.31 | 50 | 1.41 | 1,701 | 1,935 | 170 |
| | AAP2/03G3#6 | 2/0 | 19 | 55 | 3-#6 | 1.37 | 50 | 1.47 | 1,995 | 2,262 | 195 |
| | AAP3/03G3#4 | 3/0 | 19 | 55 | 3-#4 | 1.51 | 60 | 1.63 | 2,556 | 2,815 | 225 |
| | AAP4/03G3#4 | 4/0 | 19 | 55 | 3-#4 | 1.63 | 60 | 1.75 | 3,028 | 3,346 | 260 |
| | AAP250/3G3#4 | 250 | 37 | 65 | 3-#4 | 1.81 | 60 | 1.93 | 3,562 | 3,920 | 290 |
| | AAP300/3G3#3 | 300 | 37 | 65 | 3-#3 | 1.93 | 60 | 2.05 | 4,207 | 4,594 | 320 |
| | AAP350/3G3#2 | 350 | 37 | 65 | 3-#2 | 2.03 | 60 | 2.15 | 4,866 | 5,286 | 350 |
| | AAP400/3G3#2 | 400 | 37 | 65 | 3-#2 | 2.13 | 60 | 2.25 | 5,401 | 5,844 | 380 |
| | AAP500/3G3#1 | 500 | 37 | 65 | 3-#1 | 2.29 | 75 | 2.44 | 6,681 | 7,150 | 430 |
| AAP600/3G3-1/0 | 600 | 61 | 80 | 3-1/0 | 2.55 | 75 | 2.70 | 8,050 | 8,579 | 475 | |
| AAP750/3G3-2/0 | 750 | 61 | 80 | 3-2/0 | 2.77 | 75 | 2.92 | 9,873 | 10,464 | 535 | |
| FOUR CONDUCTOR | AAP8/4G3#14 | 8 | 7 | 45 | 3-#14 | 0.79 | 50 | 0.89 | 485 | 579 | 55 |
| | AAP6/4G3#12 | 6 | 7 | 45 | 3-#12 | 0.87 | 50 | 0.97 | 666 | 778 | 75 |
| | AAP4/4G3#10 | 4 | 7 | 45 | 3-#10 | 0.99 | 50 | 1.09 | 944 | 1,077 | 95 |
| | AAP3/4G3#10 | 3 | 7 | 45 | 3-#10 | 1.05 | 50 | 1.15 | 1,105 | 1,248 | 115 |
| | AAP2/4G3#8 | 2 | 7 | 45 | 3-#8 | 1.13 | 50 | 1.23 | 1,368 | 1,515 | 130 |
| | AAP1/4G3#8 | 1 | 19 | 55 | 3-#8 | 1.33 | 50 | 1.43 | 1,685 | 1,933 | 145 |
| | AAP1/04G3#6 | 1/0 | 19 | 55 | 3-#6 | 1.43 | 50 | 1.53 | 2,108 | 2,379 | 170 |
| | AAP2/04G3#6 | 2/0 | 19 | 55 | 3-#6 | 1.51 | 60 | 1.63 | 2,529 | 2,829 | 195 |
| | AAP3/04G3#4 | 3/0 | 19 | 55 | 3-#4 | 1.65 | 60 | 1.77 | 3,178 | 3,500 | 225 |
| | AAP4/04G3#4 | 4/0 | 19 | 55 | 3-#4 | 1.79 | 60 | 1.91 | 3,882 | 4,167 | 260 |
| | AAP250/4G3#4 | 250 | 37 | 65 | 3-#4 | 1.99 | 60 | 2.11 | 4,483 | 4,883 | 290 |
| | AAP300/4G3#3 | 300 | 37 | 65 | 3-#3 | 2.13 | 60 | 2.25 | 5,300 | 5,743 | 320 |
| | AAP350/4G3#2 | 350 | 37 | 65 | 3-#2 | 2.25 | 75 | 2.40 | 6,196 | 6,667 | 350 |
| | AAP400/4G3#2 | 400 | 37 | 65 | 3-#2 | 2.35 | 75 | 2.50 | 6,998 | 7,381 | 380 |
| | AAP500/4G3#1 | 500 | 37 | 65 | 3-#1 | 2.53 | 75 | 2.68 | 8,448 | 8,984 | 430 |
| AAP600/4G3-1/0 | 600 | 61 | 80 | 3-1/0 | 2.85 | 75 | 3.00 | 10,186 | 10,795 | 475 | |
| AAP750/4G3-2/0 | 750 | 61 | 80 | 3-2/0 | 3.05 | 85 | 3.22 | 12,555 | 13,209 | 535 | |

*Per NEC Table 310-16. 4-Conductor ampacity assumes three are hot and one is neutral.

¹Includes encasement in concrete.

NOTE: The data shown is approximate and subject to standard industry tolerances.