

ALUMINUM XHHW-2 POWER CABLE LOW FRICTION 600V/1000V

APPLICATIONS

Low Friction type XHHW-2 is primarily used in house construction, conduit, or recognized raceways for services, feeders, and branch circuit wiring in wet or dry locations, at temperatures not to exceed 90° C.

Voltage rating is 600V/1000V.

This product is designed to be installed without the application of pulling lubricant.

CONSTRUCTION

Conductor: Compact stranded AA-8000 series aluminum conductor material per ASTM B800, ASTM B801, ASTM B836, ASTM B901 (Single Input Wire), as applicable.

INSULATION

The insulation is a low coefficient of friction, abrasion, moisture, and heat resistant thermoset cross-linked polyethylene.

Stocking most sizes in Black, Red, Blue, White, Green, Brown, Orange, Yellow, and Gray.

STANDARDS

- UL 44, UL 1581, UL 2556
- Federal Specification A-A-59544 and the requirements of the NEC
- Federal specification JC-30B NEC
- ANSI/NEMA WC 70-2009 ICEA S-95-658-2009
- Sunlight Resistant in all color sizes 6AWG and larger.
- Basic Flame Rated (FT2) for sizes 6AWG and larger.
- RoHS compliant.

PACKAGING

- 250 ft reels
- 500 ft reels
- 1000 ft reels
- Master reels
- Coils

AMPACITY

To determine correct ampacity by conductor size, please consult the National Electric Code, Latest edition.



| Size AWG/KCML | Stranding | Diameter of Conductor (mils) | Insulation Minimum (mils) | Insulation Nominal (mils) | Diameter Minimum (mils) | Diameter Nominal (mils) | Weight (lb/1000 ft) |
|---------------|-----------|------------------------------|---------------------------|---------------------------|-------------------------|-------------------------|---------------------|
| 6 | 7 | 169 | 40 | 45 | 246 | 259 | 38 |
| 4 | 7 | 213 | 40 | 45 | 289 | 303 | 56 |
| 3 | 7 | 238 | 40 | 45 | 313 | 328 | 68 |
| 2 | 7 | 268 | 40 | 45 | 343 | 358 | 82 |
| 1 | 18 | 299 | 50 | 55 | 393 | 409 | 108 |
| 1/0 | 18 | 336 | 50 | 55 | 428 | 446 | 130 |
| 2/0 | 19 | 376 | 50 | 55 | 467 | 486 | 160 |
| 3/0 | 19 | 423 | 50 | 55 | 512 | 533 | 196 |
| 4/0 | 19 | 475 | 50 | 55 | 563 | 585 | 242 |
| 250 | 36 | 520 | 58 | 65 | 626 | 650 | 290 |
| 300 | 36 | 537 | 58 | 65 | 642 | 667 | 342 |
| 350 | 36 | 603 | 58 | 65 | 707 | 733 | 392 |
| 400 | 36 | 659 | 58 | 65 | 762 | 789 | 444 |
| 500 | 36 | 722 | 58 | 65 | 824 | 852 | 544 |
| 600 | 60 | 780 | 72 | 80 | 908 | 940 | 668 |
| 700 | 60 | 845 | 72 | 80 | 972 | 1005 | 770 |
| 750 | 58 | 877 | 72 | 80 | 1003 | 1037 | 818 |
| 900 | 58 | 999 | 72 | 80 | 1123 | 1159 | 970 |