



STABILOY® Brand HS XHHW-2 Adds Color to Your World

Full-coverage Colored XLPE, 600 V, -40°C to +90°C
Available in-stock and by special order in vivid insulation colors

General Cable's STABILOY® Brand High Speed (HS) XHHW-2 aluminum alloy feeder cable features a specially designed, durable XLPE insulation in a variety of vivid colors.

Choose standard black or from a wide variety of colors including white, red, green, yellow, brown, blue, orange and gray – all made with STABILOY's unique construction features, including its legendary durability, toughness and flexibility, as well as the ability to withstand harsh sunlight, severe weather and other challenging environmental conditions.

Why Choose XHHW-2 with a Full Color Skin Coat Insulation?

- Sunlight- and water-resistant
- Ultra-durable for long life
- Vivid colors for ease of identification on a job site

In addition to color, our STABILOY Brand HS XHHW-2 aluminum cable employs low friction technology on the insulation, offering the electrical contractor an innovative solution to install wire without added pulling lubricant, saving installation time by reducing labor, waste and material costs.

The slick, full colored insulation surrounds our legendary STABILOY 8000 Series Aluminum Alloy conductors. STABILOY is an industry-leading AA8030 compact stranded conductor material with phenomenal flexibility while retaining excellent cold flow and creep characteristics. Mechanically stable while lightweight, STABILOY is the choice of contractors throughout North America.



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Product Features:

- Available in full color skin coat or standard black
- Maximum Conductivity – Compact aluminum alloy conductors carry twice the current per pound as copper conductors
- Reliable Termination – STABILOY Brand conductors terminate safely with industry-standard dual-rated aluminum lugs
- Exceptional Insulation – Flame-retardant Cross-linked polyethylene (XLPE) insulation is rated for +90°C wet and dry, meets cold bend and cold impact at -40°C, and offers higher maximum short-circuit and overload temperature ratings than THHN/THWN-2 insulation
- Easy to Install – Compact stranded conductor (AA8030 aluminum alloy) is lightweight for easier lifting and handling, with 25% more flexibility and 40% less springback than copper conductors of similar ampacity; easy-to-pull insulation reduces pull force by 42%, compared to the installation of regular XHHW-2 with pulling lubricant
- Heavy Metals Free* insulation is RoHS compliant and environmentally sustainable while providing excellent long-term performance
- Sunlight- and moisture-resistant insulation
- Meets the requirements of Underwriters Laboratories Inc. (UL) Standard 44 for Type XHHW-2 and is manufactured according to ASTM B800, B801 and B836
- Sequential footage marking

| CATALOG NUMBER | COND. SIZE | | NUMBER OF WIRES | NOM. COND. DIAMETER | | INSULATION THICKNESS | | NOM. CABLE O.D. | | ALUMINUM WEIGHT | | NET WEIGHT | | AMPACITY ⁽¹⁾ |
|--------------------------------------|--------------|-----------------|-----------------|---------------------|-------|----------------------|------|-----------------|-------|-----------------|-------|--------------|-------|-------------------------|
| | AWG or kcmil | mm ² | | INCHES | mm | INCHES | mm | INCHES | mm | LBS./1000 FT | kg/km | LBS./1000 FT | kg/km | @ 90°C |
| 6 AWG - 1000 kcmil CONDUCTORS | | | | | | | | | | | | | | |
| 8K06 | 6 | 13.3 | 7 | 0.169 | 4.29 | 0.045 | 1.14 | 0.259 | 6.58 | 25 | 37 | 39 | 58 | 55 |
| 8K04 | 4 | 21.2 | 7 | 0.213 | 5.41 | 0.045 | 1.14 | 0.303 | 7.70 | 39 | 58 | 56 | 83 | 75 |
| 8K02 | 2 | 33.6 | 7 | 0.268 | 6.81 | 0.045 | 1.14 | 0.358 | 9.09 | 62 | 92 | 83 | 124 | 100 |
| 8K01 | 1 | 42.4 | 8 | 0.298 | 7.57 | 0.055 | 1.40 | 0.408 | 10.36 | 79 | 118 | 108 | 161 | 115 |
| 8K11 | 1/0 | 53.5 | 10 | 0.337 | 8.56 | 0.055 | 1.40 | 0.447 | 11.35 | 99 | 147 | 132 | 196 | 135 |
| 8K21 | 2/0 | 67.4 | 12 | 0.374 | 9.50 | 0.055 | 1.40 | 0.484 | 12.29 | 125 | 186 | 162 | 241 | 150 |
| 8K31 | 3/0 | 85.0 | 16 | 0.421 | 10.69 | 0.055 | 1.40 | 0.531 | 13.49 | 158 | 235 | 199 | 296 | 175 |
| 8K41 | 4/0 | 107 | 19 | 0.470 | 11.94 | 0.055 | 1.40 | 0.580 | 14.73 | 199 | 296 | 244 | 363 | 205 |
| 8K25 | 250 | 127 | 23 | 0.514 | 13.06 | 0.065 | 1.65 | 0.644 | 16.36 | 235 | 350 | 292 | 435 | 230 |
| 8K30 | 300 | 152 | 22 | 0.566 | 14.38 | 0.065 | 1.65 | 0.696 | 17.68 | 282 | 410 | 345 | 513 | 260 |
| 8K35 | 350 | 177 | 26 | 0.607 | 15.42 | 0.065 | 1.65 | 0.737 | 18.72 | 329 | 490 | 397 | 591 | 280 |
| 8K40 | 400 | 203 | 37 | 0.659 | 16.74 | 0.065 | 1.65 | 0.789 | 20.04 | 376 | 560 | 443 | 659 | 305 |
| 8K50 | 500 | 253 | 37 | 0.736 | 18.69 | 0.065 | 1.65 | 0.866 | 22.00 | 471 | 701 | 544 | 810 | 350 |
| 8K60 | 600 | 304 | 61 | 0.813 | 20.65 | 0.080 | 2.03 | 0.973 | 24.71 | 565 | 841 | 664 | 988 | 385 |
| 8K75 | 750 | 380 | 61 | 0.908 | 23.06 | 0.080 | 2.03 | 1.068 | 27.13 | 706 | 1051 | 817 | 1216 | 435 |
| 8K100 | 1000 | 507 | 61 | 1.060 | 26.92 | 0.080 | 2.03 | 1.220 | 30.99 | 941 | 1400 | 1071 | 1594 | 500 |

Dimensions and weights are nominal; subject to industry tolerances.

⁽¹⁾ Ampacities per 2014 NEC® Table 310.15(B)(16). Adjustment and corrections may apply.

90°C - Wet or dry locations. For ampacity derating purposes.

Dwelling - For dwelling units, conductors shall be permitted as listed ampacities at 120/240 volt, 3-wire, single-phase services and feeders.

| COLOR CODE CHART | | | |
|------------------|--------|------------|--------|
| COLOR CODE | COLOR | COLOR CODE | COLOR |
| 1 | Black | 6 | Brown |
| 2 | White | 7 | Blue |
| 3 | Red | 8 | Orange |
| 4 | Green | 9 | Gray |
| 5 | Yellow | - | - |

Applications:

STABILOY Brand XHHW-2 HS cable is designed for use in the following applications:

- Approved for use in accordance with the requirements of the NEC®
- For use within power and control panels and raceways in applications not exceeding 600 volts
- Intended for general purpose wiring in residential, commercial and industrial construction
- Typically used in conventional pipe and wire installations

*Denotes compliance to RoHS Directive 2011/65/EU.



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