



ALCAN
CABLE



STABILOY® FeederPlex HS™ XHHW-2

Alcan Cable's high speed wiring solution, STABILOY® FeederPlex HS™ XHHW-2 cable, answers the contractor's call for rapid cycle construction products. As part of the STABILOY® family of aluminum alloy feeder cables, FeederPlex HS™ XHHW-2 cable offers the electrical contractor an innovative solution to reduce installation time by reducing labor, waste and material costs. Consisting of a factory-produced, plexed assembly of STABILOY® XHHW-2 conductors that are color coded for phase identification, FeederPlex HS™ XHHW-2 features a specially designed XLPE insulation that allows for fast and easy cable pulls.

New STABILOY® FeederPlex HS™ (HighSpeed) cable makes installations in conduit a breeze with:

- Easier pulling by hand or winch
- Faster installation because lube tasks are eliminated
- Quicker jobsite clean up because no messy pull lube is required
- No slippery lube spills and hazardous finger pinch points from conduit lube application which results in a safer work environment

Alcan Cable's STABILOY® FeederPlex HS™ XHHW-2 conductors are intended for general purpose wiring in residential, commercial and industrial construction. They meet or exceed the requirements of Underwriters Laboratories, Inc. standards and are approved for use in accordance with the recommendations of the National Electrical Code.

PRODUCT FEATURES

- STABILOY® XHHW-2 conductors are light weight and flexible allowing conductor assemblies to be easily pulled into the raceway
- Factory produced assemblies minimize the number of reels required and simplifies materials management at the job site
- Color coded phased identification facilitates a safe installation and connection
- Specially treated insulation on the conductors reduces pull force up to 50% compared to standard paralleled single conductors
- Plexed assemblies provide distribution efficiencies by reducing the number of SKUs required for stocking each color and wire size combination
- Each STABILOY® conductor in the assembly is tested to ensure unsurpassed quality and performance

STABILOY XHHW-2 Conductors

Maximum Conductivity — STABILOY® aluminum alloy conductors carry twice the ampacity per pound as copper conductors of equal ampacity - giving you the same performance advantages that Utilities depend on for the national power grid.

Reliable Terminations — STABILOY® aluminum alloy conductors terminate safely with industry standard tin plated aluminum lugs. The similar metals connection virtually eliminates creep which translates into a safe and reliable termination.

Exceptional Insulation — The cross-linked polyethylene (XLPE) insulation on STABILOY® aluminum alloy conductors performs better in cold impact tests, wet electrical tests and long term aging trials making XLPE a better insulation for every application.

Easy to Install — STABILOY® conductors are lightweight for easier lifting and handling with 25% more flexibility and 40% less springback than copper conductors of equal ampacity.

Sunlight resistant, moisture resistant and flame retardant insulation, which enhances the life of the cable by fending off environmental elements that can cause deterioration.

Heavy Metals Free* insulation is RoHS compliant and environmentally sustainable while providing excellent long term performance.

Alcan Cable offers the electrical contractor the opportunity to choose the most economical product configuration from the STABILOY® line of aluminum alloy cable products to meet project specifications. In addition, Alcan Cable's Field Application Engineers are available to assist with specialized technical support regarding the use and application of STABILOY® brand aluminum alloy feeder cables.

When only pipe and wire will do - specify

STABILOY®
FeederPlex HS™
HIGH SPEED

STABILOY® FeederPlex HS™ XHHW-2 Conductor Assemblies

| Conductor Size ¹ (AWG/kcmil) | Diameter Over Assembly (in) | Length (ft) | Reel Size (in) | Nominal Mass (lb/M ft) | Rating of OC Device ^{2,3} (Amp) 75° C | Current Carrying Ampacity (75° C) | Conduit Size (EMT) (in) |
|--|--------------------------------|-------------|----------------|---------------------------|---|--------------------------------------|----------------------------|
| THREE CONDUCTOR WITH INSULATED GROUND (Available in B-R-W-G or B-O-Y-G Colors) ⁴ | | | | | | | |
| 6-6-6-6 | 0.63 | 1000 | 24x18x8 | 155 | 50 | 50 | 3/4 |
| 4-4-4-6 | 0.71 | 1000 | 27x18x10 | 209 | 70 | 65 | 1 |
| 2-2-2-6 | 0.81 | 1000 | 30x24x12 | 290 | 90 | 90 | 1 1/4 |
| 1-1-1-4 | 0.93 | 1000 | 32x24x12 | 379 | 100 | 100 | 1 1/4 |
| 1/0-1/0-1/0-4 | 1.00 | 1000 | 36x24x17 | 451 | 125 | 120 | 1 1/4 |
| 2/0-2/0-2/0-4 | 1.08 | 1000 | 40x24x17 | 539 | 150 | 135 | 1 1/2 |
| 3/0-3/0-3/0-4 | 1.17 | 1000 | 40x24x17 | 649 | 175 | 155 | 1 1/2 |
| 4/0-4/0-4/0-2 | 1.29 | 1000 | 42x26x18 | 815 | 200 | 180 | 2 |
| 250-250-250-2 | 1.42 | 500 | 36x24x17 | 961 | 225 | 205 | 2 |
| 300-300-300-2 | 1.52 | 500 | 40x24x17 | 1118 | 250 | 230 | 2 |
| 350-350-350-2 | 1.61 | 500 | 40x24x17 | 1274 | 250 | 250 | 2 1/2 |
| 400-400-400-1 | 1.71 | 500 | 42x26x18 | 1452 | 300 | 270 | 2 1/2 |
| 500-500-500-1 | 1.86 | 500 | 42x28x18 | 1760 | 350 | 310 | 2 1/2 |
| 600-600-600-1 | 2.07 | 500 | 48x28x24 | 2126 | 350 | 340 | 3 |
| 700-700-700-1/0 | 2.21 | 500 | 50x32x24 | 2458 | 400 | 375 | 3 |
| 750-750-750-1/0 | 2.27 | 500 | 50x32x24 | 2611 | 400 | 385 | 3 |
| 900-900-900-1/0 | 2.45 | 500 | 54x32x24 | 3072 | 400 | 425 | 3 |
| FOUR CONDUCTOR WITH INSULATED GROUND (Available in B-R-B-W-G or B-O-Y-W-G Colors) ⁴ | | | | | | | |
| 6-6-6-6-6 | 0.70 | 1000 | 27x18x10 | 194 | 50 | 50 | 1 |
| 4-4-4-4-6 | 0.79 | 1000 | 30x24x12 | 265 | 70 | 65 | 1 |
| 2-2-2-2-6 | 0.90 | 1000 | 30x24x12 | 374 | 90 | 90 | 1 1/4 |
| 1-1-1-1-4 | 1.04 | 1000 | 34x26x14 | 486 | 100 | 100 | 1 1/2 |
| 1/0-1/0-1/0-1/0-4 | 1.11 | 1000 | 40x24x17 | 582 | 125 | 120 | 1 1/2 |
| 2/0-2/0-2/0-2/0-4 | 1.20 | 1000 | 42x26x18 | 700 | 150 | 135 | 2 |
| 3/0-3/0-3/0-3/0-4 | 1.30 | 1000 | 42x26x18 | 847 | 175 | 155 | 2 |
| 4/0-4/0-4/0-4/0-2 | 1.44 | 1000 | 48x28x24 | 1059 | 200 | 180 | 2 |
| 250-250-250-250-1 | 1.60 | 500 | 40x24x17 | 1276 | 225 (1) 400 (2) | 205 205 | 2 1/2 2 1/2 |
| 300-300-300-300-1 | 1.71 | 500 | 42x26x18 | 1486 | 250 | 230 | 2 1/2 |
| 350-350-350-350-1/0 | 1.83 | 500 | 42x26x18 | 1718 | 250 | 250 | 2 1/2 |
| 400-400-400-400-1/0 | 1.92 | 500 | 42x28x18 | 1925 | 300 | 270 | 2 1/2 |
| 500-500-500-500-2/0 | 2.10 | 500 | 48x28x24 | 2364 | 350 (1) 600 (2) | 310 310 | 3 3 |
| 500-500-500-500-250 | 2.20 | 500 | 50x32x24 | 2496 | 350 (1) 600 (2) 1200 (4) | 310 310 310 | 3 3 3 |
| 600-600-600-600-2/0 | 2.33 | 500 | 50x32x24 | 2852 | 350 | 340 | 3 |
| 600-600-600-600-400 | 2.51 | 500 | 54x32x24 | 3140 | 1000 (3) 1600 (5) 2000 (6) | 340 340 340 | 3 3 3 |
| 700-700-700-700-2/0 | 2.47 | 500 | 54x32x24 | 3263 | 400 | 375 | 3 1/2 |
| 750-750-750-750-3/0 | 2.56 | 500 | 54x32x24 | 3504 | 400 (1) 800 (2) | 385 385 | 3 1/2 3 1/2 |
| 750-750-750-750-750 | 2.88 | 500 | 60x32x30 | 4133 | 2500 (7) 3000 (8) 4000 (11) | 385 385 385 | 4 4 4 |
| 900-900-900-900-3/0 | 2.75 | 500 | 60x28x28 | 4118 | 400 (1) 800 (2) | 425 425 | 4 4 |
| 900-900-900-900-900 | 3.13 | 500 | 66x28x30 | 4901 | 1200 (3) 1600 (4) 2000 (5) 2500 (6) | 425 425 425 425 | 4 4 4 4 |

¹ Sizes shown in bold are in-stock items. Other sizes and configurations available upon request.

² See Table 310.16 of the NEC for ampacity values and also refer to 110.14 for other applicable requirements.

³ The rating of the overcurrent device shown above is in accordance with the NEC. See 240.3 and 240.6. Where shown, the number in parenthesis indicates the number of parallel runs required for a given rating of the overcurrent device.

⁴ Color coding of conductors for typical applications:

| Voltage System | Color Code |
|----------------|---------------------------|
| 240/120 V | Black-Red-White |
| 480/208 V | Brown-Orange-Yellow |
| 208/120 V | Black-Red-Blue-White |
| 480/277 V | Brown-Orange-Yellow-White |

Typical Applications

Single phase commercial and residential installations
 Three phase delta with high leg
 Three phase wye for commercial installations
 Three phase wye for industrial installations

ALCAN CABLE

Three Ravinia Drive, Suite 1600
 Atlanta, Georgia 30346
 (770) 394-9886 fax (770) 395-0005
www.cable.alcan.com

BW-0002C

6/2010

