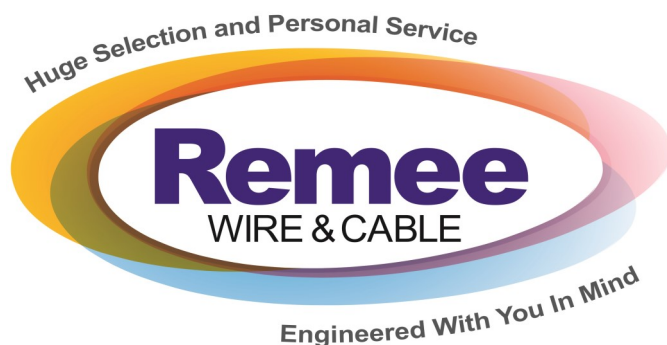




# XHHW-2 XLPE Insulation 600V/1KV Copper

UL and CSA listed for guaranteed performance  
Made in the USA

## Applications:

This document establishes the specifications for XHHW-2 wire with Copper conductors and XLPE insulation rated for 600/1000 Volts per UL Standard 44 and RW90 rated for 1000 Volts per CSA C22.2 No.238. The cable is suitable for both wet and dry locations and is Sunlight Resistant.

## Construction Details:

Number of Conductors: 1/C  
Conductor: Solid and Stranded Bare or Tinned Copper,  
See Table on Page 2  
Insulation Material: XLPE  
Nominal Insulation Thickness: Per UL 44  
Nominal Insulation Diameter: Per UL 44  
Shield: Unshielded  
Jacket: Integral Construction

Surface Print:  
VoltGuard600™ by REMEE E520042 (AWG/KCMIL)  
(MM<sup>2</sup>) CU (UL) XHHW-2 600V/1000V or CSA RW90  
1000V 90°C DRY OR WET (-40°C) XLPE SUN RES  
DIRECT BURIAL ROHS MADE IN USA MM/YY (LOT #)  
SEQ FT

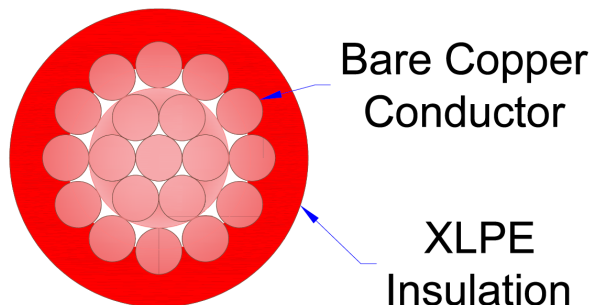
See Table on Page 2 for construction details by size.

## Electricals:

Voltage Rating: 600 Volts /1000 Volts  
DC Resistance: See Table, Page 2

## Options:

Conductor: See Table, Page 2  
Color: Black, Red or Others, also (with Stripe, Available  
with MOQ) See Color Information, Page 3



Drawing of 1/0AWG XHHW-2

## Technical Details:

Flame Resistance FT-1 and FT-2  
Temperature Rating  
Operation -40°C to +90°C  
90°C Wet or Dry

## Standards:

- National Electric Code (NFPA 70)
- UL 44 - Thermoset Insulated Wires and Cables
- UL 1581 - Standard for Electrical Wires, Cables
- CSA C22.2 No. 38 - Thermoset Insulated Wires and Cables
- 1/0 AWG and Larger CT FT-4

## Codes & Listings:

- (UL) listed
- XHHW-2 per UL44
- CSA listed
- RW90 per CSA C22.2 No. 38

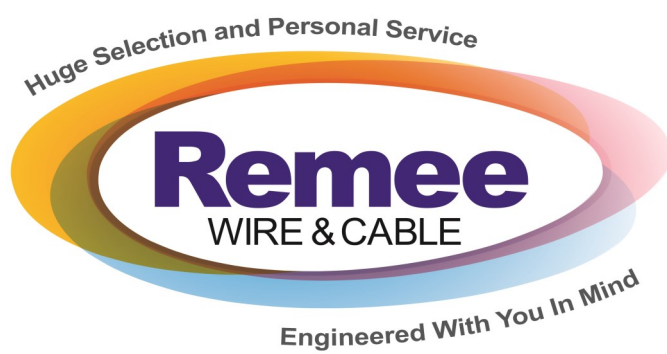


Issue Date: 11/25  
Revision: 14

All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921  
Customer Service: 800-431-3864 Fax: 845-651-4160 Website: [www.remee.com](http://www.remee.com)



# XHHW-2 XLPE Insulation 600V/1KV Copper

UL and CSA listed for guaranteed performance  
Made in the USA

| Remee Part Number* | Size AWG | Size kcmil | Size mm <sup>2</sup> | Standard Number of Strands | Approximate Weight (Lbs/Kft) | Insul. Thickness (in.) | OD, Nom. (in.) | Nom. DCR, @ 20°C (Ω/KFT) |        | Ampacity 90°C** |
|--------------------|----------|------------|----------------------|----------------------------|------------------------------|------------------------|----------------|--------------------------|--------|-----------------|
|                    |          |            |                      |                            |                              |                        |                | Bare                     | Tinned |                 |
| XHHW1401XXMUL      | 14       |            | 2.1                  | 1                          | 17                           | 0.030                  | 0.124          | 2.55                     | 2.65   | 35              |
| XHHW1407XXMUL      | 14       |            | 2.1                  | 7                          | 18                           | 0.030                  | 0.130          | 2.57                     | 2.78   | 35              |
| XHHW1210XXMUL      | 12       |            | 3.3                  | 1                          | 25                           | 0.030                  | 0.141          | 1.60                     | 1.65   | 40              |
| XHHW1207XXMUL      | 12       |            | 3.3                  | 7                          | 27                           | 0.030                  | 0.152          | 1.63                     | 1.75   | 40              |
| XHHW1001XXMUL      | 10       |            | 5.3                  | 1                          | 38                           | 0.030                  | 0.162          | 1.00                     | 1.04   | 55              |
| XHHW1007XXMUL      | 10       |            | 5.3                  | 7                          | 40                           | 0.030                  | 0.171          | 1.02                     | 1.08   | 55              |
| XHHW0807XXMUL      | 8        |            | 8.4                  | 7                          | 65                           | 0.045                  | 0.232          | 0.639                    | 0.679  | 80              |
| XHHW0607XXMUL      | 6        |            | 13.3                 | 7                          | 96                           | 0.045                  | 0.268          | 0.403                    | 0.427  | 105             |
| XHHW0407XXMUL      | 4        |            | 21.2                 | 7                          | 147                          | 0.045                  | 0.311          | 0.253                    | 0.269  | 140             |
| XHHW0307XXMUL      | 3        |            | 26.7                 | 7                          | 183                          | 0.045                  | 0.337          | 0.201                    | 0.209  | 165             |
| XHHW0207XXMUL      | 2        |            | 33.6                 | 7                          | 227                          | 0.045                  | 0.367          | 0.159                    | 0.169  | 190             |
| XHHW0119BCMUL      | 1        |            | 42.4                 | 19                         | 291                          | 0.055                  | 0.435          | 0.126                    |        | 220             |
| XHHW1/019BCMUL     | 1/0      |            | 53.5                 | 19                         | 363                          | 0.055                  | 0.477          | 0.100                    |        | 260             |
| XHHW2/019BCMUL     | 2/0      |            | 67.4                 | 19                         | 453                          | 0.055                  | 0.521          | 0.0794                   |        | 300             |
| XHHW3/019BCMUL     | 3/0      |            | 85.0                 | 19                         | 565                          | 0.055                  | 0.571          | 0.0629                   |        | 350             |
| XHHW4/019BCMUL     | 4/0      |            | 107                  | 19                         | 706                          | 0.055                  | 0.627          | 0.0500                   |        | 405             |
| XHHW25037BCMUL     |          | 250        | 127                  | 37                         | 835                          | 0.065                  | 0.695          | 0.0422                   |        | 455             |
| XHHW30037BCMUL     |          | 300        | 152                  | 37                         | 995                          | 0.065                  | 0.748          | 0.0353                   |        | 500             |
| XHHW35037BCMUL     |          | 350        | 177                  | 37                         | 1155                         | 0.065                  | 0.798          | 0.0302                   |        | 570             |
| XHHW40037BCMUL     |          | 400        | 203                  | 37                         | 1314                         | 0.065                  | 0.843          | 0.0264                   |        | 615             |
| XHHW50037BCMUL     |          | 500        | 253                  | 37                         | 1633                         | 0.065                  | 0.927          | 0.0212                   |        | 700             |
| XHHW60061BCMUL     |          | 600        | 304                  | 61                         | 1965                         | 0.080                  | 1.033          | 0.0176                   |        | 780             |
| XHHW70061BCMUL     |          | 700        | 355                  | 61                         | 2282                         | 0.080                  | 1.102          | 0.0151                   |        | 850             |
| XHHW75061BCMUL     |          | 750        | 380                  | 61                         | 2240                         | 0.080                  | 1.135          | 0.0141                   |        | 885             |
| XHHW100061BCMUL    |          | 1000       | 507                  | 61                         | 3229                         | 0.080                  | 1.284          | 0.0106                   |        | 1055            |

\*XX designates the conductor material; BC is Bare Copper, and TC is Tinned Copper. TC available only for sizes 14AWG to 2AWG.

\*\*Ampacities in accordance with NEC (2023 Edition) Table 310.17: Single Insulated Conductors rated up to and including 2000 Volts in Free Air, Based on Ambient Temperature of 30°C (86°F)



Issue Date: 11/25  
Revision: 14

All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921  
Customer Service: 800-431-3864 Fax: 845-651-4160 Website: [www.remee.com](http://www.remee.com)



XXX reserved for put-up and color designations

**M1 for 1,000 Foot Reel**  
**B5 for 5,000 Foot Reel**

Available Insulation Colors — **B for Black**      **O for Blue**      **N for Brown**      **G for Gray**  
**E for Green**      **Z for Orange**      **R for Red**      **W for White**  
**Y for Yellow**      **Others Colors including Stripes Available with MOQ**

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

**Note:** While Remee Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document, Remee Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remee Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature:

Company: \_\_\_\_\_

Date: \_\_\_\_\_



All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

This product is RoHS compliant to directive 2002/95/EC.

1751 State RTE. 17A STE #1 Florida, NY 10921  
Customer Service: 800-431-3864 Fax: 845-651-4160 Website: [www.remee.com](http://www.remee.com)