



XHHW-2 COPPER CONDUCTOR -40°C

STANDARDS

Underwriters Laboratories UL-44~Canadian Standard C22.2 No. 38~ Insulated Cable Engineers Association ICEA S-95-658~Institute of Electrical and Electronics Engineers IEEE 1202~Federal Specification A-A-59544~NEMA Publication No. WC-70~ Gas and Oil Resistant II (UL)

| SIZE (AWG) | NUMBER OF STRANDS | INSULATION THICKNESS IN MILS XLP | APPROX. O.D. INCHES | ALLOWABLE AMPACITIES* | | | APPROX. WEIGHT PER 1000 FT. IN POUNDS |
|---------------|-------------------------|--|---------------------------|--------------------------|------|------|--|
| | | | | 60°C | 75°C | 90°C | |
| 14 | SOLID | .030 | .124 | 15 | 15 | 15 | 15 |
| 12 | SOLID | .030 | .141 | 20 | 20 | 20 | 24 |
| 10 | SOLID | .030 | .162 | 30 | 30 | 30 | 36 |
| | | | | | | | |
| 14 | 7 | .030 | .131 | 15 | 15 | 15 | 18 |
| 12 | 7 | .030 | .149 | 20 | 20 | 20 | 26 |
| 10 | 7 | .030 | .171 | 30 | 30 | 30 | 40 |
| | | | | | | | |
| 8 | 7 | .045 | .236 | 15 | 50 | 55 | 67 |
| 6 | 7 | .045 | .274 | 20 | 65 | 75 | 100 |
| 4 | 7 | .045 | .322 | 30 | 85 | 95 | 150 |
| 3 | 7 | .045 | .350 | 50 | 100 | 110 | 205 |
| 2 | 7 | .045 | .382 | 65 | 115 | 130 | 230 |
| 1 | 19 | .055 | .431 | 85 | 130 | 150 | 291 |
| | | | | | | | |
| 1/0 | 19 | .055 | .470 | 100 | 150 | 170 | 362 |
| 2/0 | 19 | .055 | .514 | 115 | 175 | 195 | 445 |
| 3/0 | 19 | .055 | .564 | 130 | 200 | 225 | 564 |
| 4/0 | 19 | .055 | .620 | 150 | 230 | 260 | 707 |
| | | | | | | | |
| 250 MCM | 37 | .065 | .672 | 175 | 255 | 290 | 836 |
| 300 MCM | 37 | .065 | .724 | 200 | 285 | 320 | 996 |
| 350 MCM | 37 | .065 | .771 | 230 | 310 | 350 | 1155 |
| 400 MCM | 37 | .065 | .815 | 255 | 335 | 380 | 1315 |
| 500 MCM | 37 | .065 | .896 | 285 | 380 | 430 | 1632 |
| | | | | | | | |
| 600 MCM | 61 | .080 | 1.026 | 310 | 420 | 475 | 1950 |
| 750 MCM | 61 | .080 | 1.128 | 400 | 475 | 535 | 2440 |

* Ampacity shown above is per the 2011 National Electrical Code. The above data is approximate and subject to normal manufacturing tolerances.

CONDUCTORS:

Stranded, uncoated, bare copper per ASTM B787 and ASTM B8.

CONDUCTORS INSULATION:

Cross-Linked Polyethylene (XLP) insulation per UL-44.

SPECIFICATIONS:

Sunlight Resistant (all sizes and colors). VW-1 available in all sizes.

Lead free-ROHS Compliant. CT USE (1/0 and larger) CUL-TYPE RW90

APPLICATION NOTES

Type XHHW-2 conductors are primarily used in conduit or other recognized raceways for services, feeders, and branch circuit wiring, as specified in the National Electric Code (NEC). XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. XHHW-2 conductors are rated for 600 volts. Insulation rated for use to -40°C (UL).



XHHW COLORS

***CALL FOR AVAILABILTY**

| SIZE | BLACK | GREEN | WHITE | RED | BLUE | ORANGE | BROWN | YELLOW | GRAY |
|----------|-------|-------|-------|-----|------|--------|-------|--------|------|
| 14 SOLID | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 12 SOLID | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 10 SOLID | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | |
| 14 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 12 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 10 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | |
| 8 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 6 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 4 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 3 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 1 STR | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | |
| 1/0 | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 2/0 | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 3/0 | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 4/0 | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | |
| 250 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 300 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 350 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 400 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 500 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | |
| 600 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| 750 MCM | √ | √ | √ | √ | √ | √ | √ | √ | √ |

*** SOME COLORS MAY REQUIRE A MINIMUM QUANTITY TO RUN**

CUTTING, STRIPING, AND PARALLELING ARE AVAILABLE UPON REQUEST.
 SEQUENTIAL FOOT MARKING ON SIZES 1/0 AND LARGER. MCM COLORS ARE MADE TO ORDER.

UL APPROVED FOR:

1. SUNLIGHT RESISTANCE (ALL SIZES AND COLORS)
2. VW-1 AVAILABLE IN ALL SIZES
3. CT USE (1/0 AND LARGER, ALL COLORS)
4. XHHW-2 (ALL SIZES AND COLORS)
5. LEAD FREE-ROHS COMPLIANT