

600 Volt, Single Conductor Type LSZH XHHW-2 LSZH XLPO Insulated Wire



Physical Characteristics

Color: Black

Electrical / Optical Characteristics

Voltage: 600 Volts

Specifications

Conductor: ASTM B 8 and ASTM B 33
Insulation: ICEA S-95-658 (NEMA WC 70) and UL 44 for
Type XHHW-2 wires

Ratings

UL Type XHHW-2 600V
UL FT4
VW-1 (10 AWG and larger)
Gas and Oil Resistance
UL ST1 (Limited Smoke) per UL 1685
IEEE 1202
NFPA 130-2017 Code Compliant
NFPA 502-2017 Code Compliant
Black conductors marked sunlight resistant.
The insulation is suitable for use in wet or dry locations
at a temperature not exceeding 90 °C.
ICEA T-33-655 (as applicable) – Guide for Low Smoke,
2 Year LTIR

Options

True colors and striping *

Components

A: Class B stranded, soft drawn, tinned copper conductor.
Options: Bare and Solid.
B: Heat and moisture resistant, thermosetting low smoke,
zero halogen (LSZH) cross-linked polyolefin (XLPO) insula-
tion.

Packaging

Bulk reels

Print Legend

DRAKA MA OR PA “size of conductor” (XX,XXmm2)
XHHW-2 FT4 ST1 GR1 600V (UL) E2268-T
Note: Wires #1/0 AWG and larger shall be marked for CT
USE.
Note: 10 AWG and larger may be marked VW-1

* Standard striping includes one colored stripe on a black jacket. It is the customer's responsibility to determine code compliance relative to this striping option. Acceptance of this striping option confirms the customer's responsibility and code compliance.

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LSZH XLPO Insulated Wire

| Conductor Size AWG/kcmil (mm ²) | Strand | Average Insulation Thickness (mils) | Nominal Wire O.D. (in.) | Nominal Wire Weight (Lbs/Mft) |
|--|--------|--|-------------------------|----------------------------------|
| #14 AWG (2,08) | 7 | 30 | 0.140 | 20 |
| #12 AWG (3,31) | 7 | 30 | 0.160 | 29 |
| #10 AWG (5,26) | 7 | 30 | 0.180 | 43 |
| #8 AWG (8,37) | 7 | 45 | 0.245 | 71 |
| #6 AWG (13,3) | 7 | 45 | 0.280 | 109 |
| #4 AWG (21,2) | 7 | 45 | 0.330 | 163 |
| #2 AWG (33,6) | 7 | 45 | 0.390 | 249 |
| #1 AWG (42,4) | 19 | 55 | 0.450 | 312 |
| #1/0 AWG (53,5) | 19 | 55 | 0.490 | 386 |
| #2/0 AWG (67,4) | 19 | 55 | 0.535 | 475 |
| #3/0 AWG (85,0) | 19 | 55 | 0.585 | 605 |
| #4/0 AWG (107) | 19 | 55 | 0.640 | 740 |
| 250 kcmil (127) | 37 | 65 | 0.710 | 880 |
| 300 kcmil (152) | 37 | 65 | 0.760 | 1040 |
| 350 kcmil (177) | 37 | 65 | 0.815 | 1228 |
| 500 kcmil (253) | 37 | 65 | 0.945 | 1704 |
| 600 kcmil (304) | 61 | 80 | 1.055 | 2100 |
| 750 kcmil (380) | 61 | 80 | 1.160 | 2505 |

Solid Copper

| Conductor Size AWG/kcmil (mm ²) | | Average Insulation Thickness (mils) | Nominal Wire O.D. (in.) | Nominal Wire Weight (Lbs/Mft) |
|--|--------|--|----------------------------|----------------------------------|
| Size | Strand | | | |
| #14 AWG (2,08) | Solid | 30 | 0.135 | 19 |
| #12 AWG (3,31) | Solid | 30 | 0.150 | 28 |
| #10 AWG (5,26) | Solid | 30 | 0.170 | 41 |

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