

600 Volt Single Conductor Type LSZH XHHW-2

LSZH XLPO Insulated Wire



Physical Characteristics

Jacket 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)
- UL CT (Cable Tray) (1/0 AWG and Larger)
- Gas and Oil Resistance
- UL ST1 (Limited Smoke) per UL 1685
- IEEE 1202
- NFPA 130 Code Compliant
- NFPA 502 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
- Halogen Free Polymeric Cable Jackets

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) insulation.

Packaging

Bulk reels

* 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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Conductor Size AWG/kcmil (mm²)	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 (mm²)		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

