

## 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  
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) 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.

### Prysmian Group

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### LSZH XLPO Insulated Wire

Conductor Size AWG/kcmil (mm <sup>2</sup> )	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 <sup>2</sup> )		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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