

## Scope

Firewall® LSZH XHHW-2 is a one conductor, un-jacketed, power cable. Its tough thermoset construction allows for its use in demanding applications

without additional jacketing protection. It is intended for low voltage power and lighting functions and may be installed in trays, ducts and conduits.

## Features

- Low Smoke Zero Halogen design
- Thermoset insulation for enhanced thermal stability
- Specially formulated insulation for superior long term water resistance
- Extremely flame retardant
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Reduced size and weight for increased raceway capacity
- Easy strippability for installation ease
- Low surface coefficient of friction insures installation ease with reduced pulling tension required

## Performance Standards

- Insulation in accordance with ICEA
- Cable passes IEEE-383 70,000 BTU/hr vertical tray flame test
- Cable passes ICEA 210,000 BTU/hr vertical tray flame test (Standard T-29-520)
- Cable passes the vertical flame tests specified in UL VW-1
- UL listed as Type XHHW-2
- UL listed for “CT USE” on sizes 1/0 AWG & larger
- UL Listed as Limited Smoke (-LS)
- UL Listed for IEEE 1202 /FT-4 flame test
- UL Listed as gasoline and oil resistant
- UL Listed for sunlight resistant

## Construction

### Conductor:

Annealed, tin-coated copper, Class “B” strand (ASTM B-8 & B-33)

### Insulation:

Low Smoke Zero Halogen, heat and moisture resistant, flame retardant crosslinked polyolefin (ICEA column “B” thickness)\*\*\*

### Color:

Standard color is black. Available in pigmented colors, or colored stripes.

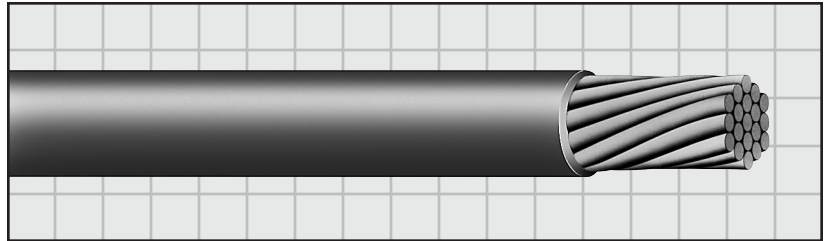
\* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

\*\*\*A separator tape may be used over the conductor.

Also available in RHH/RHW-2

# Firewall® LSZH XHHW-2 Power & Lighting Cable (XLPO)

90°C\*, 600 Volt  
NEC Type XHHW-2  
UL Listed  
Spec. RSS-6-009B



Product Code	Conductor Size	Number of Strands	Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')
			(Inch)	(mm)	(Inch)	(mm)	
P46-0140	14 AWG	7	.030	.76	.13	3.30	19
P46-0120	12 AWG	7	.030	.76	.15	3.81	28
P46-0110	10 AWG	7	.030	.76	.18	4.57	40
P46-0080	8 AWG	7	.045	1.14	.24	6.10	70
P46-0060	6 AWG	7	.045	1.14	.27	6.86	105
P46-0040	4 AWG	7	.045	1.14	.32	8.13	160
P46-0020	2 AWG	7	.045	1.14	.38	9.65	240
P46-0010	1 AWG	19	.055	1.40	.44	11.18	305
P46-0100	1/0 AWG	19	.055	1.40	.48	12.19	375
P46-0200	2/0 AWG	19	.055	1.40	.52	13.21	470
P46-0300	3/0 AWG	19	.055	1.40	.57	14.48	590
P46-0400	4/0 AWG	19	.055	1.40	.63	16.00	730
P46-0250	250 kcmil	37	.065	1.65	.70	17.78	870
P46-0350	350 kcmil	37	.065	1.65	.80	20.32	1200
P46-0500	500 kcmil	37	.065	1.65	.93	23.62	1680
P46-0500	750 kcmil	61	.080	2.03	1.14	28.96	2520

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\*\* 14 AWG - 4/0 AWG