

Firewall® LSZH XHHW-2

Power & Lighting Cable
(Low Smoke Zero Halogen)

90°C*, 600 Volt
NEC Type XHHW-2,
UL Listed

Spec. RSS-6-009B

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 ideal for

applications in transit systems and tunnels. 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

- Compliant with NFPA 130 (as applicable)
- Insulation in accordance with ICEA standard S-95-658
- UL listed as Type XHHW-2
- UL listed for "CT USE" on sizes 1/0 AWG & larger
- In accordance with UL Std. No. 44
- UL Listed as Limited Smoke (-LS)
- UL approved for 90°C operation in both wet and dry locations
- Cable components are in compliance with the maximum leachable lead level required by the EPA in 40 CFR, Part 261
- Cable passes IEEE-383 (1974) 70,000 BTU/hr vertical tray flame test
- Cable passes (UL) VW-1 flame test
- Cable passes IEEE 1202/FT-4 Flame Test
- UL Listed for sunlight resistant
- UL Listed as gasoline and oil resistant

Construction

Conductor:

Annealed, tin-coated copper, Class "B" strand or solid (ASTM B-8 & B-33)

Insulation:

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

Color:

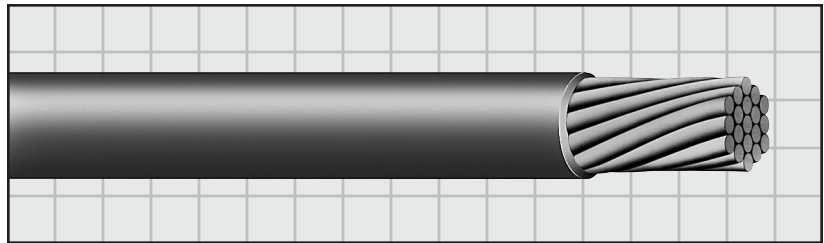
Standard color is black. Available in pigmented colors, or color stripes.

* 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
 (LSZH-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)	
P46-2140	14 AWG	Solid	.030	.76	.13	3.2	18
P46-2120	12 AWG	Solid	.030	.76	.14	3.6	27
P46-2110	10 AWG	Solid	.030	.76	.16	4.2	39
P46-0140	14 AWG	7	.030	.76	.13	3.3	19
P46-0120	12 AWG	7	.030	.76	.15	3.8	28
P46-0110	10 AWG	7	.030	.76	.18	4.6	40
P46-0080	8 AWG	7	.045	1.14	.24	6.1	70
P46-0060	6 AWG	7	.045	1.14	.27	6.9	105
P46-0040	4 AWG	7	.045	1.14	.32	8.1	160
P46-0020	2 AWG	7	.045	1.14	.38	9.7	240
P46-0010	1 AWG	19	.055	1.40	.44	11.2	305
P46-0100	1/0 AWG	19	.055	1.40	.48	12.2	375
P46-0200	2/0 AWG	19	.055	1.40	.52	13.2	470
P46-0300	3/0 AWG	19	.055	1.40	.57	14.5	590
P46-0400	4/0 AWG	19	.055	1.40	.63	16.0	730
P46-0250	250 kcmil	37	.065	1.65	.70	17.8	870
P46-0350	350 kcmil	37	.065	1.65	.80	20.3	1200
P46-0500	500 kcmil	37	.065	1.65	.93	23.6	1680

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