



Features

- Low Smoke Zero Halogen Design
- RoHS compliant insulation
- Thermoset insulation for enhanced thermal stability
- Specially formulated insulation for exceptional long term water resistance
- Superior flame retardance
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Reduced size and weight for increased raceway capacity
- Easy strippability
- Low friction surface for reduced pulling tension

Performance Standards

- UL Listed as NEC Type XHHW-2 per UL 44
- LSZH insulation and jacket per ICEA S-73-532 and ICEA T-33-655
- UL Listed Cable Tray Use "CT" in accordance with UL 44 on 1/0 AWG and larger
- Passes UL VW-1**
- Passes vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- UL Listed FT4/IEEE 1202 Vertical Flame test
- UL Listed -ST1 per UL 44 and UL 1685 (FT4 Method), meeting smoke and flame requirements of NFPA 130 and NFPA 502
- UL Listed 90° for both wet and dry locations
- UL listed for sunlight resistance (Black)
- UL Listed as gasoline and oil resistant Type II
- Meets the requirements of NFPA 130 & NFPA 502

Construction

Conductor: Annealed, tin-coated copper, Class "B" strand per ASTM B-8 & B-33 (Available as solid conductors when required)

Insulation: Flame retardant Low Smoke Zero Halogen Cross Linked Polyolefin (LSZH XLPO)

Separator Tape: Helically applied polyester (where required)

Color: 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.

** #10 AWG and larger.

Scope

Firewall® LSZH XHHW-2 is a one conductor, unjacketed, 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.

Firewall® LSZH XHHW-2 Power & Lighting Cable



Low Smoke Zero Halogen
90°C*, 600 Volt

NEC Type XHHW-2, UL Listed
NFPA 130 & 502

Product Code	Conductor Size	Number of Strands	Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M)
			(Inch)	(mm)	(Inch)	(mm)	
P46-2180	18 AWG	Solid	.030	.76	.10	2.6	10
P46-2160	16 AWG	Solid	.030	.76	.11	2.9	13
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
P46-0180	18 AWG	7	.030	.76	.11	2.7	10
P46-0160	16 AWG	7	.030	.76	.12	3.0	14
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
P46-0600	600 kcmil	61	.080	2.03	1.05	26.7	2031
P46-0750	750 kcmil	61	.080	2.03	1.14	28.9	2499

Note: UL does not list Type XHHW-2 smaller than 14 AWG. 16 AWG and 18 AWG are UL Listed Type RFHH-2, 90°C Wet and Dry, NFPA 130 and NFPA 502 Compliant.



Marmon Electrical
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