

Scope

Firewall® III-XHHW is a one conductor, unjacketed, power cable. Its tough thermoset construction allows for its use in demanding applications without addi-

tional jacketing protection. It is intended for low voltage power and lighting functions and may be installed in trays, ducts and conduits.

Features

- 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
- All cables pass a wet dielectric (tank) test to verify insulation integrity
- 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 standard S-95-658
- Cable passes IEEE-383 1974 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

Construction

Conductor:

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

Insulation:

Proprietary heat, moisture and radiation resistant, flame retardant cross-linked polyolefin (ICEA column “B” thickness)***

* 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

Firewall® III-XHHW-2

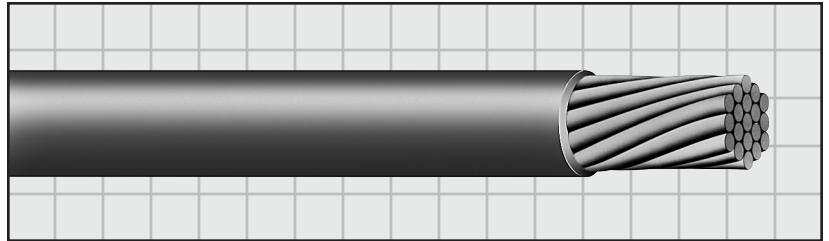
Power & Lighting Cable

(XLPE)

90°C*, 600 Volt

NEC Type XHHW-2, NEC Type SIS**

UL Listed



Spec. RSS-3-022

Product Code	Conductor Size	Number of Strands	Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')
			(Inch)	(mm)	(Inch)	(mm)	
P51-3350	14 AWG	7	.030	.76	.13	3.30	19
P51-3328	12 AWG	7	.030	.76	.15	3.81	28
P51-3340	10 AWG	7	.030	.76	.18	4.57	40
P51-3513	8 AWG	7	.045	1.14	.24	6.10	70
P51-3488	6 AWG	7	.045	1.14	.27	6.86	105
P51-3514	4 AWG	7	.045	1.14	.32	8.13	160
P51-3515	2 AWG	7	.045	1.14	.38	9.65	240
P51-3516	1 AWG	19	.055	1.40	.44	11.18	305
P51-3517	1/0 AWG	19	.055	1.40	.48	12.19	375
P51-3518	2/0 AWG	19	.055	1.40	.52	13.21	470
P51-3519	3/0 AWG	19	.055	1.40	.57	14.48	585
P51-3520	4/0 AWG	19	.055	1.40	.63	16.00	725
P51-3521	250 kcmil	37	.065	1.65	.70	17.78	860
P51-3522	350 kcmil	37	.065	1.65	.80	20.32	1180
P51-3523	500 kcmil	37	.065	1.65	.93	23.62	1670
P51-3524	750 kcmil	61	.080	2.03	1.14	28.96	2505
P51-3669	1000 kcmil	61	.080	2.03	1.29	32.77	3285

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** 14 AWG - 4/0 AWG