



Low Smoke Zero Halogen
90°C*, 2000 Volt

NEC Type RHW-2, UL Listed
NFPA 130 & 502
Spec. RSS-6-009B

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 RHW-2 per UL 44
- LSZH insulation per ICEA S-73-532
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical tray flame test (T-30-520)
- Passes vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- UL listed as Type ST1 (limited smoke)
- UL approved 90°C for both wet and dry locations
- UL listed for sunlight resistance (black only)
- UL listed as gasoline and oil resistance
- Meets the requirements of NFPA 130 & 502
- Passes VW-1
- For tray installation, 1/0 AWG and larger (CT USE)
- Listed as USE-2 underground service entrance cable

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 crosslinked polyolefin

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.

Scope

Firewall® LSZH RHW-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 RHW-2 Power & Lighting Cable



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Product Code	Conductor Size	Number of Strands	Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')
			(Inch)	(mm)	(Inch)	(mm)	
P47-2014	14 AWG	7	.060	1.52	.195	5.0	30
P47-2012	12 AWG	7	.060	1.52	.21	5.3	40
P47-2010	10 AWG	7	.060	1.52	.24	6.1	55
P47-2008	8 AWG	7	.070	1.78	.29	7.4	84
P47-2006	6 AWG	7	.070	1.78	.32	8.1	121
P47-2004	4 AWG	7	.070	1.78	.37	9.4	177
P47-2002	2 AWG	7	.070	1.78	.43	10.9	265
P47-2001	1 AWG	19	.090	2.29	.51	13.0	342
P47-2110	1/0 AWG	19	.090	2.29	.55	14.0	418
P47-2120	2/0 AWG	19	.090	2.29	.59	15.0	513
P47-2130	3/0 AWG	19	.090	2.29	.64	16.3	632
P47-2140	4/0 AWG	19	.090	2.29	.70	17.8	779
P47-2250	250 kcmil	37	.105	2.67	.78	19.8	934
P47-2350	350 kcmil	37	.105	2.67	.88	22.4	1272
P47-2500	500 kcmil	37	.105	2.67	1.01	25.7	1771
P47-2750	750 kcmil	61	.120	3.05	1.22	31.0	2638



Marmon Engineered Wire & Cable LLC
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