

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

- Insulation in accordance with ICEA and CEC standards
- CUL listed type RW90 (CSA 22.2 No.38) in accordance with CEC
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical flame test
- Passes vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- CUL listed as Type ST1 (limited smoke) per UL 2556
- CUL approved 90° for both wet and dry locations
- CUL Listed as gasoline and oil resistant
- Meets the requirements of NFPA 130 & 502
- Passes UL VW-1**

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)

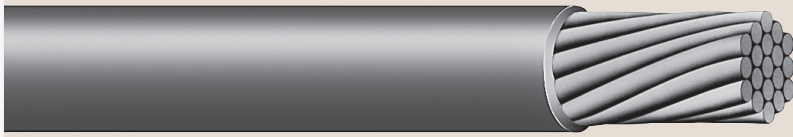
*Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

**#10 AWG and larger

Scope

Firewall® LSZH RW90 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 RW90 Power & Lighting Cable



Low Smoke Zero Halogen
90°C*, 600 Volt
CEC Type RW90
CUL Listed
NFPA 130 & 502

600 Volt Class

Product Code	Conductor Size	Number of Strands	Insulation Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')
			(Inch)	(mm)	(Inch)	(mm)	
P46-2140	14AWG	Solid	.030	.76	.13	3.2	18
P46-2120	12AWG	Solid	.030	.76	.14	3.6	27
P46-2110	10AWG	Solid	.030	.76	.16	4.2	39
P46-0140	14AWG	7	.030	.76	.13	3.3	19
P46-0120	12AWG	7	.030	.76	.15	3.8	28
P46-0110	10AWG	7	.030	.76	.18	4.6	40
P46-0080	8AWG	7	.045	1.14	.24	6.1	70
P46-0060	6AWG	7	.045	1.14	.27	6.9	105
P46-0040	4AWG	7	.045	1.14	.32	8.1	160
P46-0020	2AWG	7	.045	1.14	.38	9.7	240
P46-0010	1AWG	19	.055	1.40	.44	11.2	305
P46-0100	1/0AWG	19	.055	1.40	.48	12.2	375
P46-0200	2/0AWG	19	.055	1.40	.52	13.2	470
P46-0300	3/0AWG	19	.055	1.40	.57	14.5	590
P46-0400	4/0AWG	19	.055	1.40	.63	16.0	730
P46-0250	250kcmil	37	.065	1.65	.70	17.8	870
P46-0350	350kcmil	37	.065	1.65	.80	20.3	1200
P46-0500	500kcmil	37	.065	1.65	.93	23.6	1680
P46-0600	600kcmil	61	.080	2.03	1.05	26.7	2031
P46-0750	750kcmil	61	.080	2.03	1.14	28.9	2499



Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company