



Features

- Low Smoke Zero Halogen Design
- RoHS compliant insulation and jacket
- 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 jacket for reduced pulling tension

Performance Standards

- Insulation in accordance with ICEA and UL standards
- Insulated conductors are UL Listed Type XHHW-2
- UL listed type TC (UL 1277) in accordance with NEC
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical tray flame test (T-30-520)
- Single conductors pass vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- UL listed Type LS (limited smoke) per UL 1277 and UL 1685
- UL approved 90°C for both wet and dry locations
- Jacket exceeds requirements for UL class XL/90°C and ICEA publication T-33-655, Type II
- UL listed for sunlight resistance
- UL listed as gasoline and oil resistance
- Meets the requirements of NFPA 130 & 502

Construction

Conductor: Annealed, tin-coated copper, class "B" strand (ASTM B-8 & B-33)

Insulation: Flame retardant low Smoke Zero Halogen crosslinked polyolefin

Circuit Identification: Printed numbers per ICEA Method 4. (Alt. colors available upon request)

Fillers: (Where required)

Ground Wire(s): Annealed copper class "B" to comply with NEC requirements

Binder tape: Helically applied polyester

Jacket: Reduced wall, black, flame retardant crosslinked low smoke zero halogen polyolefin

* 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 is a totally low smoke, zero halogen cable comprised of both thermoset insulation and jacket material. It provides superior resistance to fire and moisture. It may be installed in wet and dry locations, indoors and outdoors, in metal trays, conduits, ducts, or in direct burial applications. It is ideal for applications in transit systems and tunnels to perform a variety of control and related functions.

Two Conductors

Product Code	Conductor Size (AWG/ kcmil)	Number of Strands	Insulation Thickness (Inch) (mm)		No. & Size of Ground Wires	Jacket Thickness (Mils)	Nominal Overall Diameter (Inch) (mm)		Approximate Net Weight (Lbs/M')
P62-2140	14	7	.030	.76	2-16 AWG	35	.345	8.76	80
P62-2120	12	7	.030	.76	2-14 AWG	35	.385	9.78	110
P62-2100	10	7	.030	.76	2-12 AWG	35	.430	10.92	160

Three Conductors

Product Code	Conductor Size (AWG/ kcmil)	Number of Strands	Insulation Thickness (Inch) (mm)		No. & Size of Ground Wires	Jacket Thickness (Mils)	Nominal Overall Diameter (Inch) (mm)		Approximate Net Weight (Lbs/M')
P62-3140	14	7	.030	.76	3-18 AWG	35	.36	9.14	105
P62-3120	12	7	.030	.76	3-16 AWG	35	.40	10.16	140
P62-3100	10	7	.030	.76	3-14 AWG	35	.45	11.43	205
P62-3080	8	7	.045	.76	3-14 AWG	45	.61	15.49	315
P62-3060	6	7	.045	.76	3-12 AWG	45	.69	17.53	455
P62-3040	4	7	.045	.76	3-12 AWG	45	.79	20.07	630
P62-3020	2	7	.045	.76	3-10 AWG	65	.96	24.38	980
P62-3001	1	19	.055	1.40	3-10 AWG	65	1.08	27.43	1200
P62-3110	1/0	19	.055	1.40	3-10 AWG	65	1.17	29.72	1440
P62-3210	2/0	19	.055	1.40	3-10 AWG	65	1.26	32.00	1740
P62-3311	3/0	19	.055	1.40	3-8 AWG	65	1.37	34.80	2170
P62-3410	4/0	19	.055	1.40	3-8 AWG	65	1.49	37.85	2627
P62-3250	250	37	.065	1.65	3-8 AWG	95	1.70	43.18	3200
P62-3350	350	37	.065	1.65	3-6 AWG	95	1.92	48.77	4350
P62-3500	500	37	.065	1.65	3-6 AWG	95	2.20	55.80	5925

Four Conductors

Product Code	Conductor Size (AWG/ kcmil)	Number of Strands	Insulation Thickness (Inch) (mm)		No. & Size of Ground Wires	Jacket Thickness (Mils)	Nominal Overall Diameter (Inch) (mm)		Approximate Net Weight (Lbs/M')
P62-4012	12	7	.030	.76	3-16 AWG	35	.44	11.18	195
P62-4010	10	7	.030	.76	3-14 AWG	35	.52	13.21	290
P62-4008	8	7	.045	.76	2-12 AWG	45	.67	17.02	410
P62-4006	6	7	.045	.76	2-10 AWG	45	.76	19.30	590
P62-4004	4	7	.045	.76	2-10 AWG	65	.91	23.11	870
P62-4002	2	7	.045	.76	2-8 AWG	65	1.05	26.67	1285
P62-4001	1	19	.055	1.40	2-8 AWG	65	1.19	30.23	1580
P62-4100	1/0	19	.055	1.40	2-8 AWG	65	1.29	32.77	1900
P62-4200	2/0	19	.055	1.40	2-8 AWG	65	1.40	35.56	2300
P62-4300	3/0	19	.055	1.40	2-7 AWG	65	1.52	38.61	2865
P62-4400	4/0	19	.055	1.40	2-7 AWG	95	1.72	43.69	3605
P62-4250	250	37	.065	1.65	2-6 AWG	95	1.90	48.26	4240
P62-4350	350	37	.065	1.65	2-6 AWG	95	2.13	54.10	5675
P62-4500	500	37	.065	1.65	2-6 AWG	95	2.44	61.98	7885