

Features

- Thermoset insulation and jacket for enhanced thermal stability
- Specially formulated insulation for superior long term water resistance
- Extremely flame retardant
- Long term sustainability
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Easy strippability for installation ease

Performance Standards

- Insulation in accordance with XLPE requirements of ANSI/NEMA WC 57/ICEA S-95-658
- UL 44 Type XHHW-2 insulated singles
- UL approved 90°C for both wet and dry locations
- Single conductors pass UL VW-1 Flame Test
- Jacket in accordance with ANSI/NEMA WC 57/ICEA S-95-658
- Cable passes UL 1685 and IEEE 383-1974 Cable Tray Tests
- UL Listed Type TC for Cable Tray Installation (UL 1277)
- UL Listed Type TC-ER for 4 AWG and larger (UL 1277)
- UL Listed for Direct Burial (UL 1277)**
- UL Listed for Sunlight Resistance

Construction

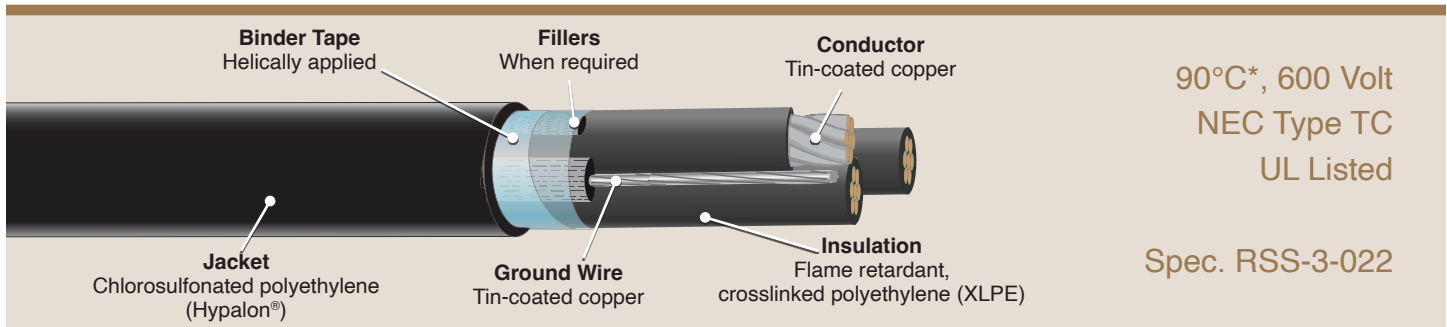
- **Conductor:** Annealed, tin-coated copper, Class “B” strand (ASTM B8 & B33)
- **Insulation:** Proprietary heat, moisture, flame retardant, and radiation resistant crosslinked polyethylene (XLPE)
- **Circuit Identification:** Printed numbers per ICEA Method 4
- **Ground Wire(s):** Annealed, tin-coated copper Class “B” strand, sized to comply with NEC requirements
- **Fillers:** As Applicable
- **Binder Tape:** Helically applied
- **Jacket:** Black, chlorosulfonated polyethylene (CSPE) Hypalon®

Scope

Firewall® III-C power cable is a completely thermoset construction specifically designed for applications in power generation plants, substations, and other similar locations. It is engineered for continuous operation in rugged environments and may be installed in metal trays, conduits, or ducts. It is intended for use in critical circuits for power applications.

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

** Constructions with 4 conductors or more listed for direct burial applications



Three Conductor Cables

Product Code	Conductor Size	Number of Strands	Insulation Thickness		No. & Size of Ground Wire†	Jacket Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')
			(inch)	(mm)		(inch)	(mm)	(inch)	(mm)	
P62-0128	14	7	0.030	0.762	1-14 AWG	0.045	1.143	0.385	9.78	110
P62-0123	12	7	0.030	0.762	1-12 AWG	0.045	1.143	0.425	10.80	150
P62-0113	10	7	0.030	0.762	1-10 AWG	0.045	1.143	0.475	12.07	210
P62-0082	8	7	0.045	1.143	1-10 AWG	0.060	1.524	0.635	16.13	330
P62-0062	6	7	0.045	1.143	1-8 AWG	0.060	1.524	0.710	18.03	465
P62-0042	4	7	0.045	1.143	1-8 AWG	0.060	1.524	0.815	20.70	650
P62-0022	2	7	0.045	1.143	1-6 AWG	0.080	2.032	0.980	24.89	1000
P62-0012	1	19	0.055	1.397	1-6 AWG	0.080	2.032	1.105	28.07	1220
P62-0103	1/0	19	0.055	1.397	1-6 AWG	0.080	2.032	1.190	30.23	1475
P62-0203	2/0	19	0.055	1.397	1-6 AWG	0.080	2.032	1.285	32.64	1770
P62-0303	3/0	19	0.055	1.397	1-4 AWG	0.080	2.032	1.395	35.43	2205
P62-0404	4/0	19	0.055	1.397	1-4 AWG	0.080	2.032	1.520	38.61	2685

Four Conductor Cables

Product Code	Conductor Size	Number of Strands	Insulation Thickness		No. & Size of Ground Wire†	Jacket Thickness		Nominal Overall Diameter		Approximate Net Weight (Lbs/M')
			(inch)	(mm)		(inch)	(mm)	(inch)	(mm)	
P62-1128	14	7	0.030	0.762	1-14 AWG	0.045	1.143	0.420	10.67	140
P62-1123	12	7	0.030	0.762	1-12 AWG	0.045	1.143	0.465	11.81	195
P62-1113	10	7	0.030	0.762	1-10 AWG	0.060	1.524	0.555	14.10	290
P62-1082	8	7	0.045	1.143	1-10 AWG	0.060	1.524	0.695	17.65	435
P62-1062	6	7	0.045	1.143	1-8 AWG	0.060	1.524	0.785	19.94	620
P62-1042	4	7	0.045	1.143	1-8 AWG	0.080	2.032	0.940	23.88	905
P62-1022	2	7	0.045	1.143	1-6 AWG	0.080	2.032	1.080	27.43	1325
P62-1012	1	19	0.055	1.397	1-6 AWG	0.080	2.032	1.220	30.99	1625
P62-1103	1/0	19	0.055	1.397	1-6 AWG	0.080	2.032	1.320	33.53	1965
P62-1203	2/0	19	0.055	1.397	1-6 AWG	0.080	2.032	1.420	36.07	2405
P62-1303	3/0	19	0.055	1.397	1-4 AWG	0.080	2.032	1.545	39.24	2985
P62-1404	4/0	19	0.055	1.397	1-4 AWG	0.110	2.794	1.740	44.20	3695

† Segmented grounds available

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** Constructions with 4 conductors or more listed for direct burial applications