

Temporary Protective Grounding Cable

ASTM F-855 TYPE III



Description

Direct Wire's Grounding Cable is designed for use in temporary protective grounding systems on de-energized overhead electrical lines and de-energized electrical equipment, providing a highly reliable low-impedance path during maintenance procedures. The cable's combination of high-flexibility Class K copper stranding and durable insulating jackets ensures dependable performance in field environments where repeated handling, coiling, and mechanical stress are common. Both the Clear PVC and TPE constructions are engineered to meet the grounding performance and temperature requirements set forth in ASTM F-855, making them suitable for utility crews, electrical contractors, and industrial maintenance teams requiring safe, visible, and compliant temporary protective grounds.

Construction

Direct Wire grounding cables are built with highly flexible stranded No. 30 bare copper conductors, providing excellent conductivity and mechanical flexibility essential for temporary grounding assemblies. The Clear Grounding Cable features a high-grade, RoHS-compliant 105°C clear PVC jacket designed to allow full visibility of the copper stranding—supporting rapid inspection and identification of strand condition, consistent with Type III clear-jacketed grounding cable used across the industry. The service temperature range of -10°C to 60°C aligns with ASTM F-855 Type III PVC-jacketed grounding cable requirements.

See reverse for technical specifications

CLEAR GROUNDING CABLE							
AWG SIZE	STRANDING / DIAM (OR) GA	INSULATION THICKNESS		OUTSIDE DIAMETER		AMPACITY ¹	LBS PER 1,000'
		INCHES	MM	INCHES	MM		
#2	624 / 30	.110	2.79	.530	13.46	105 A	287
1/0	975 / 30	.127	3.23	.650	16.51	140 A	445
2/0	1,196 / 30	.127	3.23	.700	17.78	190 A	545
4/0	1,950 / 30	.142	3.61	.850	21.59	260 A	839

¹Allowable ampacity per NFPA 70 / NEC Article 400. Values are based on ambient temperature of 30°C.

FAULT CURRENT RATING TABLE FOR GROUNDING CABLE		
AWG SIZE	RATING IN AMPERES SYMMETRICAL RMS 60 HERTZ	
	15 CYCLES	30 CYCLES
#2	14,500	10,000
1/0	21,000	15,000
2/0	27,000	20,000
4/0	43,000	30,000

All data and specifications contained herein are current and subject to change without notification. All values are nominal and/or approximate and may vary. All styles and standards dependent on conductor size.



TEMPORARY PROTECTIVE GROUNDING CABLE (CLEAR PVC)

TECHNICAL SPECIFICATIONS

Construction

- | | |
|---------------------|--|
| Conductors | <ul style="list-style-type: none">Highly flexible stranded No. 30 bare copper conductor |
| Voltage Rating | <ul style="list-style-type: none">600 V |
| Insulation & Jacket | <ul style="list-style-type: none">Insulated with a high grade RoHS compliant 105°C clear PVC jacket.Clear PVC jacket ensures ability to see copper stranding and identify breaks.Jacket meets the operating temperature range and flame retardancy of ASTM F-855 Type III.Heavier jacket walls provide extra protection for copper conductor. |
| Temperature Range | <ul style="list-style-type: none">-40°C (-40°F) to 70°C (158°F) Dry, exceeding ASTM F-855 and ASTM F-855 Type III. |

Standards & Certifications

Manufactured According to ASTM F-855 Type III

Standard Stock

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|-------------------|--|
| Available Lengths | <ul style="list-style-type: none">Coils/Assemblies at 25', 50', and 100'Reels at 250', 500', 1,000', and 2,500'Custom lengths available upon request |
|-------------------|--|

Customization

- | | |
|-----------------|--|
| Jacket Colors | <input type="radio"/> Clear |
| Marking Options | <ul style="list-style-type: none">Quick Print®; Surface Print; Indent Print; Sequential Marking; Private Labeling / Branding |

