

Document Code: TECH-TESTPOINT-LABELING

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SYSTEMSHIELD™ TEST POINT LABELING GUIDELINES

PURPOSE

This document defines standard labeling practices for electrical ground test points installed using the SystemShield™ Grounding Kit. Proper labeling allows inspectors, maintenance personnel, and auditors to consistently verify ground continuity, resistance values, and system bonding during initial installation and ongoing inspection.

WHY LABEL TEST POINTS?

- Enables repeatable resistance testing for QA and safety audits
 - Reduces inspection time and technician confusion
 - Prevents test on unintended circuits or chassis
 - Supports maintenance logs and asset traceability
 - Required by some AHJ (Authority Having Jurisdiction) and NFPA 70E programs
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WHAT QUALIFIES AS A TEST POINT?

A test point is any **termination location** where resistance or bonding will be verified. These commonly include:

Location	Description
Bus bar termination points	Where the main grounding bar connects to panel or rack
End of each #12 AWG wire	Where the wire is bonded to equipment or subframe
End of the #6 AWG main ground	Connection to chassis, system ground, or structural tie
Any chassis-mounted grounding lug	For bonded racks or supplemental ground locations

LABEL FORMATS

Format Type	Example	Use Case
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Alphanumeric ID	TP-001, TP-002, etc.	For multi-point systems or rack-level tracking
Functional ID	GND-CHASSIS-1, GND-PNL-BAR	When test point aligns with known equipment or enclosure
Maintenance Log Match	Match label to maintenance form	If your inspection form uses location codes

Labels should be:

- Durable (weatherproof or laminated)
- Black text on white or yellow background
- Minimum 10-point font, readable without magnification
- Securely affixed near the test point but not on the wire insulation or inside the lug barrel

RECOMMENDED LABEL TYPES

Label Type	Recommended Material
Self-laminating wraparound wire label	Vinyl or polyolefin
Snap-on or adhesive marker tag	Rigid plastic, color-coded
Machine-printed panel label	Polyester, permanent adhesive
Inspection tag with QR or serial ID (optional)	Serialized if tracking resistance trends

FIELD PRACTICES

- Label only after installation is complete and resistance testing is passed
- Do not place labels directly over conductive contact points
- Do not handwrite labels unless using permanent marker and industrial label stock
- Avoid using masking tape, paper stickers, or unsealed adhesive

SUPPORTING DOCUMENTS

- All test point labels should correspond with the **Resistance Testing Record Sheet**
 - Include test point IDs in the **Final Inspection Sign-Off Sheet**
 - Maintain consistency across multiple enclosures or equipment sites
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SUPPORT

For printable label templates, equipment-specific examples, or serialized tracking options:

Email: systemshieldgrounding@gmail.com

Website: www.systemshield.tech

Portal Access: <https://systemshield.tech/distributor-access>