



Elkhart County Planning & Development

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Underground Wiring – Inspector’s Checklist

Based on the Indiana Electric Code (675 IAC-17 IEC)
2008 NEC (1st printing) with Indiana Amendments
Effective August 26, 2009 – Fire & Building Safety Commission – 675 IAC 17-1.8-1

1. Type and suitability of material used.
2. Verify thickness of slab.
3. Depth of wiring method.
4. Support of raceways.
5. Radius of bends.
6. All cut ends of raceways reamed.
7. Total of bends not more than 360 degrees (4 quarter bends).
8. Suitable solvent-type cement for connection of rigid nonmetallic couplings and connectors.
9. Bends made with proper equipment.
10. Cable system suitable for direct burial.
11. Approved size of equipment grounding conductor in buried cables.
12. Cable assembly installed in a raceway when located under a slab.
13. Trench free from debris or foreign objects.
14. Slack in buried cable runs.
15. Sleeve where buried cable rises.
16. Bushing or terminal fitting at end of raceways.
17. Approved size and type of grounding electrode.
18. Location of branch circuits and feeder raceways.
19. Continuity of cables.
20. All material listed or labeled by a qualified Electrical Testing Laboratory.

IMPORTANT - PLEASE READ: *Code sections and items referenced in this checklist do not contain the entire code section or the exact wording of the code. Additional code requirements or exceptions may apply and are the responsibility of the Owner and/or General Contractor in charge of the work being done. The code references and items listed are included for your convenience only. This list may be expanded where necessary. It should be understood that the underground wiring inspection is performed and can only be approved by the Elkhart County Building Department.*