

**GEOGRAPHIC INFORMATION SYSTEMS  
GEOGRAPHIC INFORMATION CENTER  
PO BOX 5839  
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**\*\*\* EXAMINATION \*\*\***

**COMMUNICATION CIRCUITS ACCORDING TO THE 2005 NATIONAL ELECTRICAL CODE**

1. **A factory assembly of two or more conductors having an**
  - a) overall covering is a cable
  - b) overall covering is a splice
  - c) overall covering is a circuit
  - d) overall covering is a breaker box
  
2. **A factory assembly of one or more insulated conductors with an**
  - a) overall covering is a cable
  - b) overall covering is a wire
  - c) overall covering is a circuit
  - d) overall covering is a breaker box
  
3. **Access to electrical equipment should**
  - a) not be denied by an accumulation of wire and cable
  - b) not be denied for over 10 minutes
  - c) not be denied for over 20 minutes
  - d) not be denied for over 30 minutes
  
4. **Where practicable, the communication wires and cables shall**
  - a) be located below the electric light or power conductors
  - b) not be located below the electric light or power conductors
  - c) either a or b
  - d) neither a nor b
  
5. **Communication wires and cables shall not be attached to**
  - a) circuit boxes
  - b) communication devices
  - c) both a and b
  - d) a cross-arm that carries electric light
  
6. **Communication wires shall have a vertical clearance of not less**
  - a) than 4 feet from all point of roofs above which they pass
  - b) than 6 feet from all point of roofs above which they pass
  - c) than 8 feet from all point of roofs above which they pass
  - d) than 9 feet from all point of roofs above which they pass

7. **Raceways entering buildings shall be equipped with**
  - a) a circuit box
  - b) an oversized bushing
  - c) an approved service head
  - d) All of the above
8. **Conduits located ahead of the primary protector shall be**
  - a) insulated
  - b) grounded
  - c) charged
  - d) None of the above
9. **The separation between communication wires on building and**
  - a) lightning conductors shall be at least 2 feet
  - b) lightning conductors shall be at least 4 feet
  - c) lightning conductors shall be at least 6 feet
  - d) lightning conductors shall be at least 8 feet
10. **Primary protector terminals shall be marked to indicate**
  - a) line
  - b) instrument
  - c) ground
  - d) All of the above
11. **The primary protector shall be located shall be located**
  - a) in the building
  - b) on the building
  - c) immediately adjacent to the building
  - d) Any of the above
12. **The size of the grounding conductor shall not be smaller than**
  - a) 14 AWG
  - b) 16 AWG
  - c) 18 AWG
  - d) 20 AWG
13. **In single-family dwellings, the primary grounding conductor shall**
  - a) not exceed 10 feet
  - b) not exceed 20 feet
  - c) not exceed 30 feet
  - d) not exceed 40 feet
14. **The grounding conductor shall be run to the ground electrode**
  - a) in as straight a line as practicable
  - b) with a minimum of two bends
  - c) with a minimum of three bends
  - d) with a minimum of four bends

15. **The cable marking for a communications riser cable is**
- a) CMP
  - b) CMR
  - c) CRC
  - d) CMUC
16. **Type CMX communications cable in single family dwellings shall**
- a) be less than 0.15 inches in diameter
  - b) be less than 0.20 inches in diameter
  - c) be less than 0.25 inches in diameter
  - d) be less than 0.30 inches in diameter
17. **Communication wires and cables shall have a voltage rating**
- a) of not less than 120 volts
  - b) of not less than 180 volts
  - c) of not less than 240 volts
  - a) of not less than 300 volts
18. **Communication wires, such as distributing frame wire, shall be**
- a) listed as being resistant to the spread of fire
  - b) adequately spliced
  - c) not listed as being resistant to the spread of fire
  - d) None of the above
19. **General-purpose communications raceways shall be**
- a) listed as being resistant to the spread of fire
  - b) adequately spliced
  - c) not listed as being resistant to the spread of fire
  - d) None of the above
20. **A test for defining resistance to the spread of fire in raceways is**
- a) the vertical-tray flame test
  - b) the horizontal-tray flame test
  - c) the single-tray flame test
  - d) None of the above



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**Name** \_\_\_\_\_

**Company** \_\_\_\_\_

**Address** \_\_\_\_\_

**City** \_\_\_\_\_ **State** \_\_\_\_\_ **Zip** \_\_\_\_\_

**Telephone** \_\_\_\_\_ **E-Mail** \_\_\_\_\_

**Fax** \_\_\_\_\_ ( ) **24-Hour Fax**

( ) **Yes** ( ) **No**    **If fax and telephone are the same number, shall we call first?**

**Mail certificates to above address** \_\_\_\_\_ **check address** \_\_\_\_\_ **envelope address** \_\_\_\_\_

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