



# Tech Info Library

## Ethernet: Cable and Network Specifications

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Security: Everyone

Ethernet: Cable and Network Specifications

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When ordering and installing Ethernet cable, be sure the cable and network meet the following defined physical specifications:

|                      | 10BASE5 (Ethernet)                           | 10BASE2 (Cheapernet)                                 |
|----------------------|----------------------------------------------|------------------------------------------------------|
| Cable                | 0.4 in diameter<br>50 ohm<br>Double Shielded | 0.2 diameter<br>50 ohm (RGA58A/U)<br>Single Shielded |
| Segment Length       | 500 m                                        | 185 m                                                |
| Network Span         | 2500 m                                       | 925 m                                                |
| Nodes per Segment    | 100                                          | 30                                                   |
| Node Spacing         | 2.5 m                                        | 0.5 m min                                            |
| Capacitance per Node | 4 pf max                                     | 8 pf max                                             |

For more information on where to obtain thin Ethernet cables and terminators, search under: Northern Wire and Cable

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