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VERSION TWO RING CABLE SPECIFICATIONS (initial)

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Two cables have been identified for use with the version two ring. This note summarizes their operating characteristics. (The maximum node-to-node distance for each of the cables has not yet been determined. As soon as field information on maximum distances is available, this note will be revised to include it.) The two cables differ in that one has controlled impedance and low attenuation, allowing larger internode runs, but is more expensive and harder to install. The second has higher attenuation so can be used only for shorter runs but is very light, flexible, lower in cost, and easier to install.

Cable for long runs (up to _____ meters)

Belden 9182: UL listed, passes FR1 flame test
150 ohm twinax, black vinyl jacket
conductors: #22 (19 x #34), tinned copper, 46 ohms/Km
shield: DUOFOIL with copper drain wire 100% coverage 20.7 ohms/Km
insulation: Datalene
diameter: 8.89 mm.
 V_c : 0.78
Capacitance: 28.9 pf/m. between conductors
typical (1980) price: \$0.66/meter

Cable for short runs (up to _____ meters)

Belden 8761: UL listed
shielded twisted pair, grey vinyl jacket
conductors: #22 (7 x #30), tinned copper, 52.5 ohms/Km
shield: Beldfoil with copper drain wire 100% coverage
insulation: Polyethylene
diameter: 4.45 mm.
 V_c : unspecified
Capacitance: 79 pf/m. between conductors
typical (1980) price: \$0.25/meter