MATERIAL SPECIFICATIONS FOR ETHERNET CABLE

Provide Ethernet Cable that conforms to the following specifications:

A. General
   1. Ensure Ethernet Cable is designed for gigabit Ethernet and high-speed/high-bandwidth applications.

B. Standards and Certifications
   1. UL Listed
   2. TIA/EIA-568-C.2 Category 6
   3. ISO/IEC 11801

C. Specifications
   1. Cable Type: 4-pair Unshielded Twisted Pair
   2. Conductor: 23 AWG, stranded, bare copper
   3. Frequency: Up to 550 MHz
   4. Impedance: 100 ± 15 ohms
   5. Attenuation: 40.5 dB/100m (328ft.) at 250 MHz
      62.1 dB/100m at 550 MHz
   6. Return Loss: 5.6 dB/100 m at 250 MHz
      2.6 dB/100 m at 550 MHz