

TMS / ITS - Approved Products List

Category 6 (Cat 6) Ethernet Cable – Outdoor

- A.** The Category 6 Cable shall be designed for outdoor installations. The cable has a maximum diameter less than or equal to 0.40" (10.0 mm) and shall meet the following provisions:
1. Contains four balanced twisted pair conductors with a characteristic impedance of 100 ohms, + / - 15.
 2. Conductors are 22 to 24 AWG solid annealed bare copper, held in place by a cross web separator and surrounded by a water blocking material.
 3. The outer jacket material is a sunlight and weather resistant black polyethylene. It shall be a minimum of 0.03 inch (0.75 mm) thickness and shall contain the following markings repeated at intervals not exceeding 24 inches on the jacket surface:
 - a. Manufacturer Name
 - b. Date Code
 - c. Cable Code
 - d. Conductor Pair Count
 - e. Foot Markers
- B.** Cable shall be tested and verified as being compliant with the ANSI/ TIA 568-C.2 CAT 6 performance specification. Factory Test results shall be available to the Department upon request for any product shipped for use on a State Project or Municipal Project supported by State Aid.
- C.** Test Results will not be required for cable that bears Performance Verification Marking by a National Recognized Testing Laboratory (NRTL).