## ITEM 632 INTERCONNECT, MISC.: CAT 5E CABLE, OUTDOOR RATED

The Contractor shall install outdoor rated category 5e cable for all outdoor applications susceptible to water or moisture penetration. Outdoor rated category 5e cable shall be used to provide interconnection between the Ethernet switches, ITS devices, and network interfaces as shown on the plans.

The specifications for the outdoor rated category 5e cables shall meet the following specifications:

* + Double shield
  + Aluminum armored
  + Bare (aka pure) Copper Conductors
  + CM PVC Jacket
  + Black Color
  + 24 AWG
  + Solid conductor
  + TIA/EIA-568A,ISO/IEC11801,YD/T1019-2001

All complete cables (including cable and connectors) shall be cat 5e certified and tested. The Contractor shall test and certify each cat 5e cable (excluding patch cables 10 feet or less).

All cabling shall be cut to proper length before assembly. Cables shall be neatly lashed to the messenger wire cable where shown in the plans.

Outdoor rated category 5e cable will be measured to the cabinet, or device, plus an allowance of five (5) feet on each end.

Outdoor rated category 5e cable will be paid for per linear foot, and will include furnishing all materials, equipment, labor and incidentals necessary to complete the work specified. *3/4/16*