

**City of Austin  
Specifications for  
Traffic Signal Cable**

**1.0 PURPOSE**

This specification establishes the minimum requirements for various sized traffic signal cables, loop lead-in cable, and CAT 5E cable. Cable details are listed below in section 2.0. The award will be made to the lowest responsive, responsible bidder with delivery time being considered in determining the final award.

**2.0 MATERIAL REQUURIMENTS**

This specification establishes the minimum requirements for the cables listed below set by the individual product specification. All cable being bid shall be UV rated for outdoor installation. In order to be considered responsive, each bidder shall submit a manufacture product data sheet for each item being bid depicting design dimensions, specifications, UV cable rating, and installation process of the product with their bid. Each type of listed cable shall be on reels with a 3 inch hole for the City's reel support tube. Quantities listed below are projected annual quantities.

75,000	Ft.	Traffic Signal Cable with rip cord, <b>Twenty (20) conductor</b> , Stranded copper, 14 gauge, IMSA Spec 20-1, 1997, IMSA color code, <b>2,500 ft.</b> on 32" Outside Width X 36" Diameter Reels. -/+ = 0, all orders shall be exact footage only.
25,000	Ft.	Traffic Signal Cable with rip cord, <b>Seven (7) conductor</b> , Stranded copper, 14 gauge, IMSA Spec 20-1, 1997, IMSA color code, <b>2,500 ft.</b> on 21" Outside Width X 30" Diameter Reels. -/+ = 0, all orders shall be exact footage only.
150,000	Ft.	Traffic Signal Cable with rip cord, <b>Five (5) conductor</b> , Stranded copper, 14 gauge, IMSA Spec 20-1, 1997, IMSA color code, <b>2,500 ft.</b> on 17" Outside Width X 30" Diameter Reels. -/+ = 0, all orders shall be exact footage only.
48,000	Ft.	Loop Detector Lead-In Cable with rip cord, <b>Single (1) twisted pair</b> with drain, 600V, 16 gauge Stranded copper, IMSA Spec. 50-2-1997, IMSA Color code (pair is Black/White), <b>4,000 ft.</b> on 17" Outside Width X 30" Diameter Reels, +/- = 0, all orders shall be exact footage only.
36,000	Ft.	Loop Detector Lead-In Cable with rip cord, <b>Double (2) twisted pair</b> with drain, 600V, 16 gauge Stranded copper, IMSA Spec. 50-2-1997, IMSA Color code (pairs are Black/White and Red/Black), <b>4,000 ft.</b> on 17" Outside Width X 30" Diameter reels, +/- = 0, all orders shall be exact footage only.
36,000	Ft.	Loop Detector Lead-In Cable with rip cord, <b>Four (4) twisted pair</b> with drain, 600V, 16 gauge Stranded copper, IMSA Spec. 50-2-1997, IMSA Color code (each pair as follows: Black/White, Brown/Red, Blue/Green, Orange/Yellow), <b>2,000 ft.</b> on 17" Outside Width X 30" Diameter reels, +/- = 0, all orders shall be exact footage only.
100,000	Ft.	<b>CAT 5E</b> , 350MHZ, Outdoor Rated, Direct Bury, cable, Black UV Resistant PVC jacket with rip cord. ETL type CMX for outdoor network installation. 24 AWG Solid Pure Copper Conductors. <b>4,000 ft.</b> on 17" Outside Width X 30" Diameter reels, +/- = 0, all orders shall be exact footage only.

Materials shall be bid on the basis of FOB Destination, inside delivery, freight prepaid.

### **3.0 DELIVERY REQUIRMENTS**

- 3.1 Purchase Orders submitted off this contract shall be delivered no more than **35** working days after receipt of order. **Failure to meet this delivery requirement may be cause for terminating this contract.**
- 3.2 Deliveries shall be made to 7211 IH35 North, Austin, Texas
- 3.3 Deliveries will be made between 8:30 am and 2:00 pm Monday thru Friday. No deliveries will be accepted outside of these hours or on weekends and holidays. The shipping company shall notify the Traffic Signal Supervisor at 512-974-4095 twenty four (24) hours in advance of any delivery.
- 3.4 Deliveries shall be made on **open top flatbed trailers** for easy access with our forklift.

### **4.0 SAMPLES**

Samples of products being bid may be required prior to award. All samples shall become property of the City of Austin at no cost to the city. Samples submitted shall not be considered part of any future orders. If requested, samples shall be delivered to the Traffic Signal Supervisor at 1501 Toomey Rd., Austin, TX. 78704.

### **5.0 WARRANTY**

All items shall be warranted for a period of 12 months from the accepted delivery date. Any item that fails during the warranty period shall be replaced by the vendor within 10 working days after notice, at no cost to the City, including shipping.