

**604 MUNI CONSTRUCTION SPECIFICATION FOR THE INSTALLATION OF CABLES**

**604.02 References**

Others:

**ADD in the following:**

CSA C22.1-1998 Canadian Electrical Code, Part 1 (18<sup>th</sup> Edition), Safety Standard for Electrical Installation, and Ontario Amendments to the Canadian Electrical Code, Part I, C22.1-98.

**604.07.14 Cable Systems**

**DELETE title and paragraph.**

**ADD in the following:**

**Cables in Electrical Maintenance Holes**

Low voltage and extra-low voltage cables passing through electrical maintenance holes shall be trained towards maintenance hole walls, with bend radii kept greater than the minimum recommended by the cable manufacturer, and fastened with mechanical supports where required. Expansion joints shall be accurately formed and mechanically supported as specified in the contract.

**604.10 Basis of Payment**

**ADD in the following subsections:**

**604.10.01 Low Voltage Cables, Direct Buried - Item  
Extra-Low Voltage Cables, Direct Buried - Item  
Traffic Signal Cables, Direct Buried - Item  
Co-axial Cables, Direct Buried - Item**

Payment at the contract price for the above tender item(s) shall be full compensation for all labour, equipment and material required to do the work regardless of size and number of conductors in the cable and including earth excavation, backfilling, bedding, compaction, low voltage and extra-low voltage splices, connections, baffles, marker tape and all mechanical support and mounting equipment required. Such payment shall include full compensation for removal and trimming of pavement, sidewalk and curb and gutter as required and restoration work where such work is not included in other tender items.

**Low Voltage Cables, in Ducts - Item  
Extra-Low Voltage Cables, in Ducts - Item  
Traffic Signal Cables, in Ducts - Item  
Co-axial Cables, in Ducts - Item  
Communication Cables, in Ducts - Item**

Payment at the contract price for the above tender item(s) shall be full compensation for all labour, equipment and material required to do the work regardless of size and number of conductors in the cable and regardless of size and type of duct and including low voltage and extra-low voltage splices where applicable, connections, installation of all mechanical support, systems and baffles required.

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**604.10.04 All Inclusive Price Method**

Payment at the contract price for the above tender item includes low voltage cable systems and extra-low voltage cable systems and shall be full compensation for labour, equipment and material required to install the appropriate cable systems, regardless of type and size, in ducts, by direct burial or aerially, and shall include all earth excavation, backfill, bedding, compaction, all pole line hardware, fittings and accessories required for aerial cable systems, installation of all mechanical support, mounting equipment and baffles required for cable systems in ducts and maintenance holes, all splices, connections, test, terminations, coils of cable, slack cable required. Such payment shall include full compensation of removal and trimming of pavement, sidewalk and curb and gutter as required and restoration work where such work is not included in other tender items.

**604.10.05 Individual Item Method**

**604.10.05.01 General**

Payment at the contract price for the above tender items shall include full compensation for all labour, equipment and material required for vertical runs of cable, coils of cable, slack cable, waste cable and for all testing and accessories required.