CHAPTER VIII
TRAFFIC CONTROL DEVICES

TABLE 8-02.5

TRAFFIC SIGNAL CABLE AND WIRE

CONDUCTOR TYPE	CABLE SIZE (AWG)	AREA (in^2)
POWER (STRANDED)	1c. - #8	0.056
	1c. - #6	0.073
	1c. - #4	0.097
	1c. - #3	0.113
	1c. - #2	0.133
	1c. - #1	0.190
	1c. - #0	0.223
CONTROL (STRANDED)	2c. - #12	0.166
	3c. - #12	0.189
	5c. - #12	0.302
	7c. - #12	0.353
	12c. - #12	0.594
GROUND WIRE (SOLID)	1c. - #6	0.021
	1c. - #1	0.066
INDUCTION LOOP DETECTOR CABLE (STRANDED)	2c. - #14 (lead-in)	0.102
	1c. - #14 (in duct)	0.023
INTERCONNECT COMM. CABLE-CLOSED LOOP SYSTEMS (STRANDED)	3 Pair #16	0.208

OTHER TYPES OF CABLES MAY BE REQUIRED.
OBTAIN SPECIFICATION FROM MANUFACTURERS.

TABLE 8-02.6

CONDUIT SIZING

NOMINAL SIZE (in.)	INSIDE DIAMETER (in.)	INSIDE AREA (in^2)	ALLOWABLE OCCUPIED AREA (in^2)
2	2.047	3.29	1.32
4	3.998	12.55	5.02

TABLE 8-02.5

TRAFFIC SIGNAL CABLE AND WIRE

CONDUCTOR TYPE	CABLE SIZE (mm^2)	AREA (mm^2)
POWER (STRANDED)	1c. - 10	51.3
	1c. - 16	65.6
	1c. - 25	85.9
	1c. - 35	107.6
	1c. - 50	149.4
	1c. - 70	186.8
CONTROL (STRANDED)	2c. - 4	107.1
	3c. - 4	121.7
	5c. - 4	194.8
	7c. - 4	227.5
	12c. - 4	383.6
GROUND WIRE (SOLID)	1c. - 16	16.5
	1c. - 50	51.1
INDUCTION LOOP DETECTOR CABLE (STRANDED)	2c. - 2.5 (lead-in)	65.8
	1c. - 2.5 (in duct)	14.8
INTERCONNECT COMM. CABLE-CLOSED LOOP SYSTEMS (STRANDED)	3 Pair 1.5	134.2

OTHER TYPES OF CABLES MAY BE REQUIRED.
OBTAIN SPECIFICATION FROM MANUFACTURERS.

TABLE 8-02.6

CONDUIT SIZING

NOMINAL SIZE (mm)	INSIDE DIAMETER (mm)	INSIDE AREA (mm^2)	ALLOWABLE OCCUPIED AREA (mm^2)
50	52.0	2123	849
100	101.5	8099	3240