TABLE 8-02.5

TRAFFIC SIGNAL CABLE AND WIRE			
CONDUCTOR TYPE	CABLE SIZE (mm^2)	OUTSIDE DIAMETER (mm)	AREA (mm^2)
POWER (STRANDED)	1c. - 10	8.08	51.3
	1c. - 16	9.14	65.6
	1c. - 25	10.46	85.9
	1c. - 35	11.71	107.6
	1c. - 50	13.79	149.4
	1c. - 70	15.42	186.8
CONTROL (STRANDED)	2c. - 4	11.68	107.1
	3c. - 4	12.45	121.7
	5c. - 4	15.75	194.8
	7c. - 4	17.02	227.5
	12c. - 4	22.10	383.6
GROUND WIRE (SOLID)	1c. - 16	4.58	16.5
	1c. - 50	8.06	51.1
INDUCTION LOOP DETECTOR CABLE (STRANDED)	2c. - 2.5(lead-in)	9.14	65.8
	1c. - 2.5(in duct)	4.32	14.8
INTERCONNECT COMM. CABLE-CLOSED LOOP SYSTEMS (STRANDED)	3 Pair 1.5	13.1	134.2

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

TABLE 8-02.6

CONDUIT SIZING			
NOMINAL SIZE (mm)	INSIDE DIAMETER (mm)	INSIDE AREA (mm^2)	ALLOWABLE OCCUPIED AREA (mm^2)
35	35.0	970	385
41	40.9	1315	530
53	52.5	2170	865
63	62.7	3090	1240
78	77.9	4760	1905
91	90.1	6385	2555
103	102.2	8205	3285

Cable and Conduit Data

Figure 8-02.23

TABLE 8-02.5

TRAFFIC SIGNAL CABLE AND WIRE			
CONDUCTOR TYPE	CABLE SIZE (AWG)	OUTSIDE DIAMETER (INCH)	AREA (SQ. IN.)
POWER (STRANDED)	1c. - #8	0.302	0.072
	1c. - #6	0.340	0.091
	1c. - #4	0.388	0.118
	1c. - #3	0.416	0.136
	1c. - #2	0.448	0.158
	1c. - #1	0.510	0.238
	1c. - #0	0.551	0.238
CONTROL (STRANDED)	2c. - #12	0.460	0.166
	3c. - #12	0.490	0.189
	5c. - #12	0.620	0.302
	7c. - #12	0.670	0.353
	12c. - #12	0.870	0.594
GROUND WIRE (SOLID)	1c. - #6	0.162	0.021
	1c. - #1	0.289	0.066
INDUCTION LOOP DETECTOR CABLE (STRANDED)	2c. - #14(lead-in)	0.360	0.102
	1c. - #14(in duct)	0.170	0.023
INTERCONNECT COMM. CABLE-CLOSED LOOP SYSTEMS (STRANDED)	3 Pair #16	0.515	0.208

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

TABLE 8-02.6

CONDUIT SIZING			
NOMINAL SIZE (INCH)	INSIDE DIAMETER (INCH)	INSIDE AREA (SQ. IN.)	ALLOWABLE OCCUPIED AREA (SQ. IN.)
1-1/4	1.380	1.50	0.60
1-1/2	1.610	2.04	0.82
2	2.067	3.36	1.34
2-1/2	2.469	4.79	1.92
3	3.068	7.38	2.95
3-1/2	3.548	9.90	3.96
4	4.026	12.72	5.09

Cable and Conduit Data

Figure 8-02.23