

STANDARD SPECIFICATIONS

REFERENCE: ICEA S-95-658 (NEMA WC 70).

CONDUCTOR: Concentric-lay, uncoated copper; strand Class B. Normal maximum operating temperature 90°C.

INSULATION: Cross-linked thermosetting polyethylene, ICEA S-95-658, Paragraph 3.6.

SHIELD: None.

JACKET: None.

FACTORY TESTS: Cable shall meet the requirements of ICEA S-95-658.

Cable Details

Size		Number of Strands	Conductor Insulation Thickness*		Maximum Outside Diameter	
AWG or mcm	mm ²		in.	µm	in.	mm
14	2.5	7	0.045	1140	0.19	4.83
12	4.0	7	0.045	1140	0.22	5.59
10	6.0	7	0.045	1140	0.24	6.10
8	10.0	7	0.060	1520	0.31	7.87
6	16.0	7	0.060	1520	0.35	8.89
4	25.0	7	0.060	1520	0.39	9.91
2	35.0	7	0.060	1520	0.46	11.68
1	40.0	19	0.080	2030	0.54	13.72
1/0	50.0	19	0.080	2030	0.59	14.99
2/0	70.0	19	0.080	2030	0.63	16.00
4/0	95.0	19	0.080	2030	0.74	18.80
250	120.0	37	0.095	2410	0.82	20.83
350	185.0	37	0.095	2410	0.91	23.11
500	240.0	37	0.095	2410	1.04	26.42
750	400.0	61	0.110	2790	1.28	32.51
1,000	500.0	61	0.110	2790	1.44	36.58

*The average thickness shall be not less than that indicated above. The minimum thickness shall be not less than 80 percent of the values indicated above.

A durable marking shall be provided on the surface of the cable at intervals not exceeding 24 inches (600 mm). Marking shall include manufacturer's name, XLP, RHH or RHW or USE, conductor size, and voltage class.

C						600 Volt, Single Conductor Power/Lighting Cable (600-1-XLP-NONE-RHH-RHW-USE)	CITY OF DETROIT WATER AND SEWERAGE DEPARTMENT ENGINEERING DIVISION
B							
A							
	DESCRIPTION	DRW	CKD	APP	DATE		
REVISIONS							
DRAWN BY: B & V							SHEET 1 OF 1
CHECKED BY: S.D.A.							DWG No. 16050-13
APPROVED:							SCALE: NONE