

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: Cable assembly; black, flame-retardant polyvinyl chloride, UL1277, applied over tape wrapped cable core.

FACTORY TEST: Cable shall meet the requirements of ICEA S-95-658, UL1277 and IEEE Standard 383 ribbon burner flame test.

Cable Details

Size		Number of Strands	* Conductor Insulation Thickness		**Assembly Jacket Thickness		Maximum Outside Diameter	
AWG or mcm	mm ²		in.	µm	in.	µm	in.	mm
12	4	7	0.030	0.76	0.045	1140	0.46	11.68
10	6	7	0.030	0.76	0.045	1140	0.51	12.95
8	10	7	0.045	1.14	0.060	1520	0.68	17.27
6	16	7	0.045	1.14	0.060	1520	0.76	19.30
4	25	7	0.045	1.14	0.060	1520	0.91	23.11
2	35	7	0.045	1.14	0.060	1520	1.03	26.16
1	40	19	0.055	1.40	0.080	2030	1.16	29.46
1/0	50	19	0.055	1.40	0.080	2030	1.26	32.00
2/0	70	19	0.055	1.40	0.080	2030	1.36	34.54
4/0	95	19	0.055	1.40	0.080	2030	1.60	40.64

*The average thickness shall be not less than indicated above. The minimum thickness shall be not less than 90 percent of the values indicated above.

**The average thickness shall be not less than 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, XHHW, Type TC, conductor size, and voltage class.

C						600 Volt, 3 Conductor With Ground Power Tray Cable (600-3-XLP-PVC-TC)	CITY OF DETROIT WATER AND SEWERAGE DEPARTMENT ENGINEERING DIVISION
B							
A							
	DESCRIPTION	DRW	CKD	APP	DATE		
REVISIONS							
DRAWN BY: B & V						SCALE: NONE	SHEET 1 OF 1
CHECKED BY: S.D.A.							16050-11
APPROVED:							DWG No.