

## OVERHEAD SECONDARY BUS ⚠

VOLTAGE	CABLE DESCRIPTION	ITEM I.D.
120/240 V 1-PHASE 3 WIRE	#3/0 CABLE TRIPLEX 600 V (2-#3/0 AL XLPE AND 1-#3/0 ACSR)	7155350 (SEE NOTE 1)

## UNDERGROUND SECONDARY BUS - STREET LIGHTING ⚠

VOLTAGE	CABLE CONNECTION	JACKET COLOUR	ITEM I.D.	
			#6 CABLE (SEE NOTE 3)	#2 CABLE (SEE NOTES 2 AND 3)
120 V 1-PHASE 2 WIRE	PHASE	BLACK	9663416	9665328
	NEUTRAL	WHITE	9663417	9665329
	GROUND	GREEN	9663418	9665330
120/240 V 1-PHASE 3 WIRE	PHASE	BLACK	9663416	9665328
	PHASE	BLACK	9663416	9665328
	NEUTRAL	WHITE	9663417	9665329
	GROUND	GREEN	9663418	9665330
120/208 V 3-PHASE 4 WIRE	PHASE	RED	9663414	9665327
	PHASE	BLACK	9663416	9665328
	PHASE	BLUE	9663413	9665326
	NEUTRAL	WHITE	9663417	9665329
	GROUND	GREEN	9663418	9665330

## UNDERGROUND SECONDARY BUS - EXPRESSWAY LIGHTING ⚠

VOLTAGE	CABLE CONNECTION	JACKET COLOUR	#2 CABLE (SEE NOTE 3) ITEM I.D.
347/600 V 3-PHASE 4 WIRE	PHASE	RED	9665327
	PHASE	BLACK	9665328
	PHASE	BLUE	9665326
	NEUTRAL	WHITE	9665329
	GROUND	GREEN	9665330


**NOTES:** ⚠

- 1) REFER TO STD. 08-2110 FOR ENGINEERING DATA AND AMPACITY.
- 2) PROVIDED THE CABLE CAN BE TERMINATED, USE #2 WHERE #6 CABLE IS NOT SUFFICIENT TO MEET VOLTAGE DROP AND/OR AMPACITY REQUIREMENTS.
- 3) ALL UNDERGROUND SECONDARY BUS CABLES ARE CU XLPE INSULATED RW90 TYPE WITH COLOURED PVC JACKET 600 V RATED.

DISTRIBUTION CONSTRUCTION STANDARD  
Street Lighting

## SECONDARY BUS CABLES

### SELECTION TABLE

	Approved By: E.H. 2016-07-28							
	Drafted By: B.W.	Designed By: E.H.	Original Issue: I.S. 2013/02/26	Scale: N.T.S.	Rev: 1	30-1300	1/2	



BOM LEGEND					
	SECONDARY BUS	VOLTAGE	CABLE	CABLE CONNECTION	UNIT LENGTH
A	OVERHEAD	120/240 V	#3/0 TRIPLEX	PH, PH, N	1 m
B	UNDERGROUND	120 V	#6	PH, N	1 m
C	UNDERGROUND	120 V	#6	PH, N, GND	1 m
D	UNDERGROUND	120/240 V	#6	PH, PH, N	1 m
E	UNDERGROUND	120/240 V	#6	PH, PH, N, GND	1 m
F	UNDERGROUND	120/208 V	#6	PH, PH, PH, N	1 m
G	UNDERGROUND	120/208 V	#6	PH, PH, PH, N, GND	1 m
H	UNDERGROUND	120 V	#2	PH, N	1 m
I	UNDERGROUND	120 V	#2	PH, N, GND	1 m
J	UNDERGROUND	120/240 V	#2	PH, PH, N	1 m
K	UNDERGROUND	120/240 V	#2	PH, PH, N, GND	1 m
L	UNDERGROUND	120/208 V	#2	PH, PH, PH, N	1 m
M	UNDERGROUND	120/208 V 347/600 V	#2	PH, PH, PH, N, GND	1 m



BILL OF MATERIALS FOR 30-1300														
ITEM NO.	DESCRIPTION	ITEM I.D.	QUANTITY											
			A	B	C	D	E	F	G	H	I	J	K	L
1	CABLE #3/0 TRIPLEX 600 V	7155350	1	-	-	-	-	-	-	-	-	-	-	-
2	CABLE #6 CU XLPE RW90 PVCJ BLACK 600V	9663416	-	1	1	2	2	1	1	-	-	-	-	-
3	CABLE #6 CU XLPE RW90 PVCJ WHITE 600V	9663417	-	1	1	1	1	1	1	-	-	-	-	-
4	CABLE #6 CU XLPE RW90 PVCJ GREEN 600V	9663418	-	-	1	-	1	-	1	-	-	-	-	-
5	CABLE #6 CU XLPE RW90 PVCJ RED 600V	9663414	-	-	-	-	-	1	1	-	-	-	-	-
6	CABLE #6 CU XLPE RW90 PVCJ BLUE 600V	9663413	-	-	-	-	-	1	1	-	-	-	-	-
7	CABLE #2 CU XLPE RW90 PVCJ BLACK 600V	9665328	-	-	-	-	-	-	-	1	1	2	2	1
8	CABLE #2 CU XLPE RW90 PVCJ WHITE 600V	9665329	-	-	-	-	-	-	-	1	1	1	1	1
9	CABLE #2 CU XLPE RW90 PVCJ GREEN 600V	9665330	-	-	-	-	-	-	-	-	1	-	1	-
10	CABLE #2 CU XLPE RW90 PVCJ RED 600V	9665327	-	-	-	-	-	-	-	-	-	-	-	1
11	CABLE #2 CU XLPE RW90 PVCJ BLUE 600V	9665326	-	-	-	-	-	-	-	-	-	-	-	1

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