

**Contact**

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## Triplexed XLPE/PVC Type USEI90 600 V

Underground Distribution Cables

**Description**

Compact stranded AA-8000 series aluminum conductor material (ACM)  
per ASTM B801 Class B or ASTM B836 (Single Input Wire), or aluminum  
alloy 1350 per ASTM B400 Class B.  
Black cross-linked polyethylene insulation  
Colour-coded, flame retardant, sunlight resistant PVC jacket  
Two phase conductors plus one full or reduced neutral conductor  
CSA C22.2 No.52

**Standards**

**National** CSA C22.2 N° 52

## Triplexed XLPE/PVC Type USEI90 600 V

### Characteristics

<b>Construction characteristics</b>	
Conductor material	Aluminum
<b>Electrical characteristics</b>	
Maximum operating voltage	600 V
<b>Usage characteristics</b>	
Maximum operating temperature	90 °C

### Triplexed USEI90

Phase Conductor Size (AWG/kcmil)	Neutral Conductor Size (AWG/kcmil)	Insulation Thickness		Jacket Thickness		Approximate Diameter			Linear Mass (kg/km)
		Phase (mm)	Neutral (mm)	Phase (mm)	Neutral (mm)	Phase (mm)	Neutral (mm)	Overall (mm)	
4	4	1.1	1.1	0.8	0.8	9.45	9.45	20.4	330
4	6	1.1	1.1	0.8	0.8	9.45	8.30	19.6	300
2	2	1.1	1.1	0.8	0.8	10.9	10.9	23.5	460
2	4	1.1	1.1	0.8	0.8	10.9	9.45	22.5	415
1	1	1.4	1.4	1.1	1.1	13.0	13.0	28.0	640
1	3	1.4	1.1	1.1	0.8	13.0	10.1	26.3	580
1/0	1/0	1.4	1.4	1.1	1.1	14.0	14.0	30.2	760
1/0	2	1.4	1.4	1.1	0.8	14.0	10.9	28.3	660
2/0	2/0	1.4	1.4	1.1	1.1	15.0	15.0	32.3	900
2/0	1	1.4	1.4	1.1	1.1	15.0	13.0	31.0	820
3/0	3/0	1.4	1.4	1.1	1.1	16.2	16.2	34.9	1100
3/0	1/0	1.4	1.4	1.1	1.1	16.2	14.0	33.5	870
4/0	4/0	1.4	1.4	1.1	1.1	17.6	17.6	37.9	1320
4/0	2/0	1.4	1.4	1.1	1.1	17.6	15.0	36.3	1180
250	250	1.7	1.7	1.7	1.7	20.2	20.2	43.5	1660
250	3/0	1.7	1.4	1.7	1.1	20.2	16.2	41.1	1420
350	350	1.7	1.7	1.7	1.7	22.8	22.8	49.1	2200
350	250	1.7	1.7	1.7	1.7	22.8	20.2	47.4	2000
500	500	1.7	1.7	1.7	1.7	25.8	25.8	55.6	2950
500	350	1.7	1.7	1.7	1.7	25.8	22.8	53.6	2650