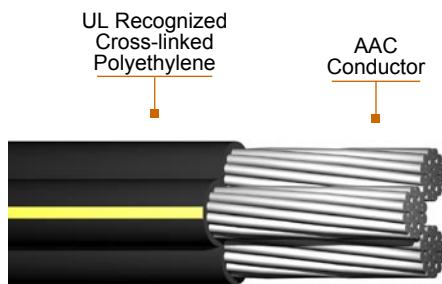


Secondary UD Triplex 600V

600 V Aluminum Conductor Cross-linked Polyethylene (XLPE) Insulation, Two Phases with Neutral



Detail Description or Construction

Conductor

Stranded, compressed 1350-H19 aluminum, insulated with Cross-linked Polyethylene (XLPE). Neutrals are identified with triple solid yellow stripes. Two phase conductors and one neutral conductor cabled together.

Application

The 600V Secondary UD Triplex Cable is mainly used for secondary distribution and underground service either direct burial or in ducts. The cable is designed for use at 600 volts or less.

Standards / Testing Specifications

Secondary UD single conductor 600V cable meets or exceeds the following ASTM specifications.

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded

Secondary UD triplex conductor 600V cable meets or exceeds all applicable requirements of ICEA S-105-692.

- "USE-2" per U.L. 854 available upon request.

Marking

Phase conductors

UL FILE SIZE (AWG or KCMIL) AL TYPE USE-2 600V XLPE (UL) (Year of manufacture) PHASE (A or B).

Neutral conductor

UL FILE SIZE (AWG or KCMIL) AL TYPE USE-2 600V XLPE (UL) (Year of manufacture).

Sequential footage markings optional on phase B conductor.

Installation

For secondary distribution and underground service either direct burial or in ducts.



Secondary UD Triplex 600V

600 V Aluminum Conductor Cross-linked Polyethylene (XLPE) Insulation, Two Phases with Neutral

Code Word	Phase Conductor			Neutral			Diameter		Approx. Weight lb/1000 ft	Allowable Ampacities (Raceway, Cable, In Ducts)
	Size	No. of Wires	Insulation Thickness	Size	No. of Wires	Insulation Thickness	Single Phase Conductor	Complete Cable		
	AWG or Kcmil		in	AWG or Kcmil		in	in			

TRIPLEXED WITH TRIPLE SOLID YELLOW STRIPES NEUTRAL

Erskine	6	7	0.060	6	7	0.060	0.298	0.642	135	60
Vassar	4	7	0.060	4	7	0.060	0.344	0.742	193	75
Stephens	2	7	0.060	4	7	0.060	0.344	0.869	252	110
Ramapo	2	7	0.060	2	7	0.060	0.403	0.869	282	110
Brenau	1/0	19	0.080	2	7	0.060	0.403	1.123	392	150
Bergen	1/0	19	0.080	1/0	19	0.080	0.521	1.123	447	150
Converse	2/0	19	0.080	1	19	0.080	0.482	1.217	486	165
Hunter	2/0	19	0.080	2/0	19	0.080	0.565	1.217	543	165
Hollins	3/0	19	0.080	1/0	19	0.080	0.521	1.324	589	190
Rockland	3/0	19	0.080	3/0	19	0.080	0.614	1.324	660	190
Sweetbriar	4/0	19	0.080	2/0	19	0.080	0.565	1.447	719	225
Monmouth	4/0	19	0.080	4/0	19	0.080	0.672	1.447	807	225
Pratt	250	37	0.095	3/0	19	0.080	0.614	1.610	864	250
Wesleyan	350	37	0.095	4/0	19	0.080	0.672	1.833	1,133	305
Newark	350	37	0.095	350	37	0.095	0.896	1.931	1,459	305
Holyoke	500	37	0.095	300	37	0.095	0.801	2.112	1,562	380
Rider	500	37	0.095	350	37	0.095	0.850	2.112	1,617	380
Seton Hall	750	61	0.110	750	61	0.110	1.190	2.564	2,626	470

Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Also available in paralleled construction. The above data is approximate and subject to normal manufacturing tolerances.



Secondary UD Triplex 600V

600 V Aluminum Conductor Cross-linked Polyethylene (XLPE) Insulation, Two Phases with Neutral

Code Word	Phase Conductor			Neutral			Diameter		Approx. Weight kg / km	Allowable Ampacities (Raceway, Cable, In Ducts)
	Size	No. of Wires	Insulation Thickness mm	Size	No. of Wires	Insulation Thickness mm	Single Phase Conductor	Complete Cable		
	AWG or Kcmil			AWG or Kcmil			mm			

TRIPLEXED WITH TRIPLE SOLID YELLOW STRIPES NEUTRAL

Erskine	6	7	1.52	6	7	1.52	7.6	16.3	201	60
Vassar	4	7	1.52	4	7	1.52	8.7	18.8	287	75
Stephens	2	7	1.52	4	7	1.52	10.2	22.1	375	110
Ramapo	2	7	1.52	2	7	1.52	10.2	22.1	419	110
Brenau	1/0	19	2.03	2	7	1.52	13.2	28.5	583	150
Bergen	1/0	19	2.03	1/0	19	2.03	13.2	28.5	665	150
Converse	2/0	19	2.03	1	19	2.03	14.3	30.9	723	165
Hunter	2/0	19	2.03	2/0	19	2.03	14.3	30.9	808	165
Hollins	3/0	19	2.03	1/0	19	2.03	15.6	33.6	877	190
Rockland	3/0	19	2.03	3/0	19	2.03	15.6	33.6	983	190
Sweetbriar	4/0	19	2.03	2/0	19	2.03	17.1	36.8	1,070	225
Monmouth	4/0	19	2.03	4/0	19	2.03	17.1	36.8	1,201	225
Pratt	250	37	2.41	3/0	19	2.03	19.0	40.9	1,285	250
Wesleyan	350	37	2.41	4/0	19	2.03	21.6	46.6	1,686	305
Newark	350	37	2.41	350	37	2.41	22.8	49.1	2,171	305
Holyoke	500	37	2.41	300	37	2.41	24.9	53.7	2,325	380
Rider	500	37	2.41	350	37	2.41	24.9	53.7	2,407	380
Seton Hall	750	61	2.79	750	61	2.79	30.2	65.1	3,908	470

Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Also available in paralleled construction. The above data is approximate and subject to normal manufacturing tolerances.