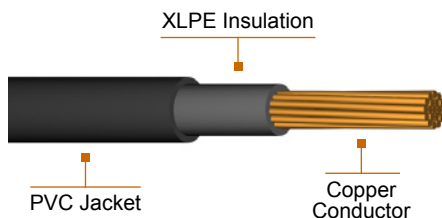


## 600 V Single Copper Conductor, XLPE Insulation and Outer PVC Jacket



### Detail Description or Construction

#### Conductor

Compressed or Compacted copper conductor class B

#### Insulation

Cross-linked Polyethylene (XLPE) 90°C

#### Jacket

Extruded black sunlight resistant, flame retardant, oils resistant PVC jacket with excellent mechanical properties

#### Packaging

Non-returnable wooden drums

#### Options

- CT USE applications
- Black Polyethylene Jacket

### Application

Primary power and distribution circuits in industrial, commercial and power circuit generating plants.

Single conductors cables, 1/0 AWG and larger, can be marked for CT Use to be installed in ladder cable tray, according NEC Article 318.

### Standards / Testing Specifications

- XTU meets or exceeds the requirements of ICEA S-95-658.

### Marking

CT Use.

### Installation

XTU cables may be installed in wet or dry locations at maximum operating temperature of 90°C on the conductor for normal operation; 130°C for emergency and 250°C for short circuit conditions. Cables may be installed indoor and outdoor, exposed to sunlight, in raceway, conduit, duct or aerially supported by a messenger and directly buried according NEC 250-51.

### Packing

Non Returnable wooden reel with 300 m standard lengths or according reel capacity.



# XTU

## 600 V Single Copper Conductor, XLPE Insulation and Outer PVC Jacket

TABLE 1. CABLE TYPE XTU 90°C 600 VOLTS

Conductor Size	Nominal Area	Nominal Insulation Thickness	Nominal Jacket Thickness	Total OD	Total Weight	Ampacity (A)		
						Buried Duct 20°C Amb. Temp	Direct Buried 20°C Amb. Temp	Free Air 40°C Amb. Temp
AWG / MCM	mm <sup>2</sup>	mm	mm	mm	kg / km			
14	2.08	0.76	0.38	4.4	34	26	40	-
12	3.31	0.76	0.38	4.9	47	35	58	-
10	5.26	0.76	0.38	5.6	69	47	75	-
8	8.37	1.14	0.38	6.9	107	64	92	66
6	13.3	1.14	0.76	8.5	173	85	118	89
4	21.2	1.14	0.76	9.8	255	111	153	117
2	33.6	1.14	0.76	11.2	381	146	197	158
1	42.4	1.40	1.14	14.0	518	168	223	185
1/0	53.5	1.40	1.14	15.0	633	193	255	214
2/0	67.4	1.40	1.14	16.2	777	220	289	247
3/0	85.0	1.40	1.14	17.5	955	252	329	287
4/0	107	1.40	1.14	19.0	1,177	290	373	335
250	127	1.65	1.65	21.0	1,405	319	408	374
350	177	1.65	1.65	23.6	1,897	387	490	464
500	253	1.65	1.65	27.0	2,665	471	592	580
750	380	2.03	1.65	33.5	4,012	585	724	747
1000	507	2.03	1.65	37.4	5,253	670	825	879

**Note:** 1. Ampacities based on IPCEA P46-426 Standard conductor temperature 90°C, load factor 100%.  
The data listed above is approximate and subject to normal manufacturing tolerances.