

Service Drop Cable Copper

XLPE or PE Insulated, 600 V



A Viakable Company

Features

RUS accepted.

Extruded ridges for easy Phase identification.

Application

For overhead distribution of electrical energy, such as a supply power, from pole-mounted transformer to the user's service head where connection to the service entrance cable is made.

Also for temporary services and street light installations.

Standards

ICEA S-76-474

Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation rated 600 volts.

Specifications

Maximum operating voltage:

- 600 volts

Maximum conductor operation temperatures:

Wet and dry locations

PE

- Normal: 75 °C
- Emergency: 95 °C
- Short Circuit: 150 °C

XLPE

- Normal: 90 °C
- Emergency: 130 °C
- Short Circuit: 250 °C

Engineering Information

1. Conductor: Soft annealed, or hard-drawn copper, solid per ASTM B1 or B3, compressed Class B or A stranding, or unilay-compressed per ASTM B8.

Separator: A suitable opaque tape, as required

2. Insulation: Black thermoplastic polyethylene (HDPE), High Density or XLPE Insulation.

On request, low or medium density PE insulation.

3. Neutral: Hard drawn bare copper.

On request, cover neutral.

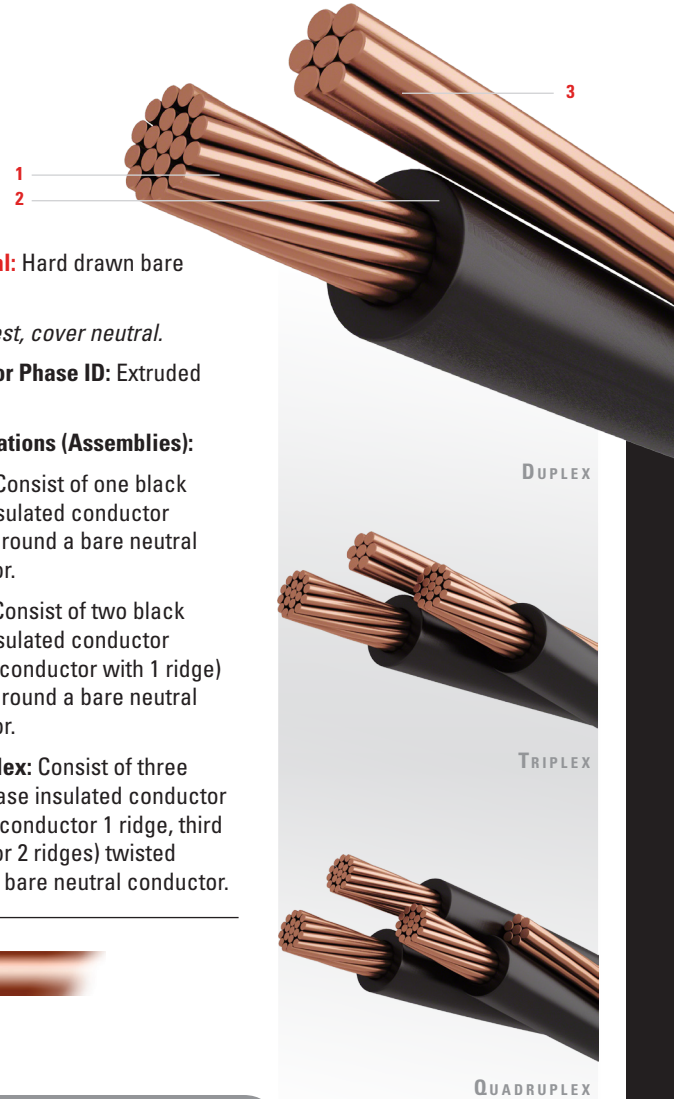
Conductor Phase ID: Extruded ridges.

Configurations (Assemblies):

Duplex: Consist of one black phase insulated conductor twisted around a bare neutral conductor.

Triplex: Consist of two black phase insulated conductor (Second conductor with 1 ridge) twisted around a bare neutral conductor.

Quadruplex: Consist of three black phase insulated conductor (Second conductor 1 ridge, third conductor 2 ridges) twisted around a bare neutral conductor.



Technical Data

Duplex

Code Word	Copper Phase Conductor			HD CU, Neutral Messenger			Weight	
	Size AWG or kcmil	Number of Strands	Insulation Thickness mil	Size AWG or kcmil	Number of Strands	Rated Strength lb	PE lb/kft	XLPE lb/kft
Copper Conductor & Neutral Messenger								
Theta	8	7	45	10	1	529	97	96
Iota	8	7	45	8	1	826	116	115
Kappa	8	7	45	8	7	777	117	116
Omega	8	1	45	8	1	826	113	112
Lambda	6	7	45	8	1	826	149	149
Omicron	6	7	45	6	1	1280	179	179
Sigma	6	7	45	6	7	1228	181	180
(No Code)	4	7	45	4	1	1970	279	279
(No Code)	4	7	45	4	7	1938	282	282
(No Code)	2	7	45	2	7	3050	442	441
(No Code)	1/0	19	60	1/0	7	4752	703	702

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product. Other sizes available upon request.

Ampacities: Refer to beginning of section.

Technical Data *continued*

Triplex

Code Word	Copper Phase Conductor			HD CU, Neutral Messenger			Weight	
	Size AWG or kcmil	Number of Strands	Insulation Thickness mil	Size AWG or kcmil	Number of Strands	Rated Strength lb	PE lb/kft	XLPE lb/kft
Copper Conductor & Neutral Messenger								
Pica	8	7	45	10	1	529	149	160
Bodoni	8	7	45	8	1	826	167	179
Garamond	8	7	45	8	7	777	169	180
Columbian	8	1	45	8	1	826	164	174
Tudor	6	7	45	8	1	826	232	246
Futura	6	7	45	6	1	1280	262	276
Gothic	6	7	45	6	7	1228	263	278
Nonpareil	4	7	45	6	1	1280	363	381
Ionic	4	7	45	4	1	1970	411	429
Caslon	4	7	45	4	7	1938	413	432
Minion	2	7	45	4	1	1970	571	594
Primer	2	7	45	4	7	1938	574	596
Century	2	7	45	2	7	3050	651	674
Corinthian	1/0	19	60	1/0	7	4752	1036	1073
(No Code)	2/0	19	60	1/0	7	4752	1214	1255
Doric	2/0	19	60	2/0	7	5926	1301	1342
(No Code)	3/0	19	60	1/0	7	4752	1438	1485
Tuscan	3/0	19	60	3/0	7	7366	1634	1681
Composite	4/0	19	60	4/0	7	9154	2054	2107

Quadruplex

Code Word	Copper Phase Conductor			HD CU, Neutral Messenger			Weight	
	Size AWG or kcmil	Number of Strands	Insulation Thickness mil	Size AWG or kcmil	Number of Strands	Rated Strength lb	PE lb/kft	XLPE lb/kft
Copper Conductor & Neutral Messenger								
Atlanta	6	7	45	6	1	1280	344	359
Tallahassee	6	7	45	6	7	1228	346	361
Baton Rouge	4	7	45	4	1	1970	542	560
Richmond	4	7	45	4	7	1938	545	563
(No Code)	2	7	45	4	7	1938	782	805
Jackson	2	7	45	2	1	3003	856	879
Seattle	2	7	45	2	7	3050	860	883
(No Code)	1/0	19	60	2	7	3050	1245	1282
Nashville	1/0	19	60	1/0	7	4752	1368	1405
Lincoln	2/0	19	60	2/0	7	5926	1720	1761
Raleigh	3/0	19	60	3/0	7	7366	2163	2209
Denver	4/0	19	60	4/0	7	9154	2721	2773

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Ampacities: Refer to beginning of section.