

Quadruplex Copper XLPE Service Drop Neutral - Messenger

Copper Conductors With Crosslinked Polyethylene Insulation.

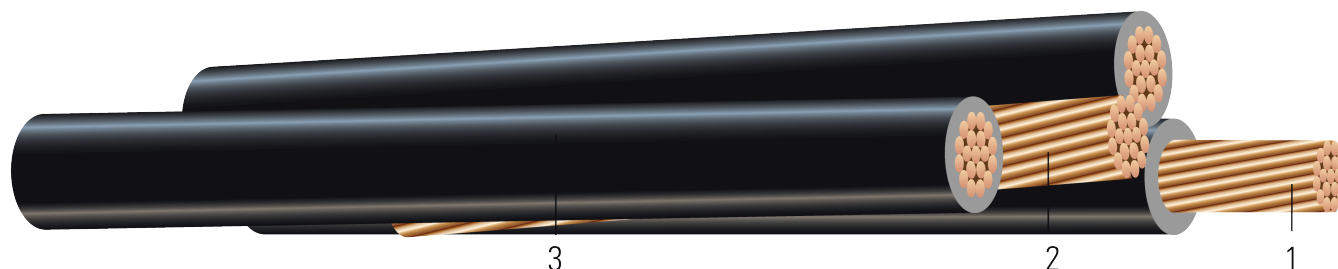


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- Conductor:** Conductors are stranded, compressed copper
- Messenger:** Hard Drawn Copper
- Insulation:** Cross Linked Polyethylene (XLPE)

APPLICATIONS AND FEATURES:

Primarily used for 120 volt overhead service applications such as street lighting, outdoor lighting, and temporary service for construction. To be used at voltages of 600 volts phase-to-phase or less and at conductor temperatures not to exceed 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS:

- ASTM B1 Hard-Drawn Copper
- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ICEA S-76-474 Standard for Neutral-Supported Power Cable Assemblies with Weather-Resistant Extruded Insulation Rated 600V

Table 1 – Weights and Measurements

Stock Number	Code Word	Phase Cond. Size	Phase Strand	Dia. Over Phase Conductor	Phase Insul. Thickness	Dia. Over Phase Insulation	Neutral Cond. Size	Neutral Strand	Approx. Weight
		AWG/Kcmil	No.	inch	mil	inch	AWG/Kcmil	No.	lb/1000ft
TBA	Atlanta	6	7	0.178	45	0.268	6	1	368
TBA	Tallahassee	6	7	0.178	45	0.268	6	7	369
606621	Richmond	4	7	0.225	45	0.315	4	7	573
TBA	Baton Rouge	4	7	0.225	45	0.315	4	1	570
TBA	Jackson	2	7	0.283	45	0.373	2	1	889
325886	Seattle	2	7	0.283	45	0.373	2	7	893
TBA	Nashville	1/0	19	0.362	60	0.482	1/0	7	1420
TBA	Lincoln	2/0	19	0.405	60	0.525	2/0	7	1773
TBA	Raleigh	3/0	19	0.456	60	0.576	3/0	7	2220
TBA	Denver	4/0	19	0.512	60	0.632	4/0	7	2781

All dimensions are nominal and subject to normal manufacturing tolerances



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Table 2 – Electrical and Engineering Data

Code Word	Phase Cond. Size	Neutral Rated Breaking Strength	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	GMR	Allowable Ampacity In Air 90°C
	AWG/Kcmil	lb	$\Omega/1000\text{ft}$	$\Omega/1000\text{ft}$	$\Omega/1000\text{ft}$	ft	Amp
Atlanta	6	1280	0.41	0.535	0.022	0.0086	95
Tallahassee	6	1228	0.41	0.535	0.022	0.0107	95
Richmond	4	1938	0.258	0.336	0.022	0.0121	125
Baton Rouge	4	1970	0.258	0.336	0.022	0.0122	125
Jackson	2	3003	0.162	0.211	0.022	0.0204	170
Seattle	2	3050	0.162	0.211	0.022	0.0205	170
Nashville	1/0	4752	0.102	0.133	0.022	0.0206	230
Lincoln	2/0	5926	0.0811	0.1055	0.022	0.0207	265
Raleigh	3/0	7366	0.0642	0.0836	0.022	0.0208	305
Denver	4/0	9154	0.051	0.0633	0.022	0.021	350

