

Quadruplex Copper XLPE Service Drop Neutral - Messenger

Copper Conductors With Crosslinked Polyethylene Insulation.

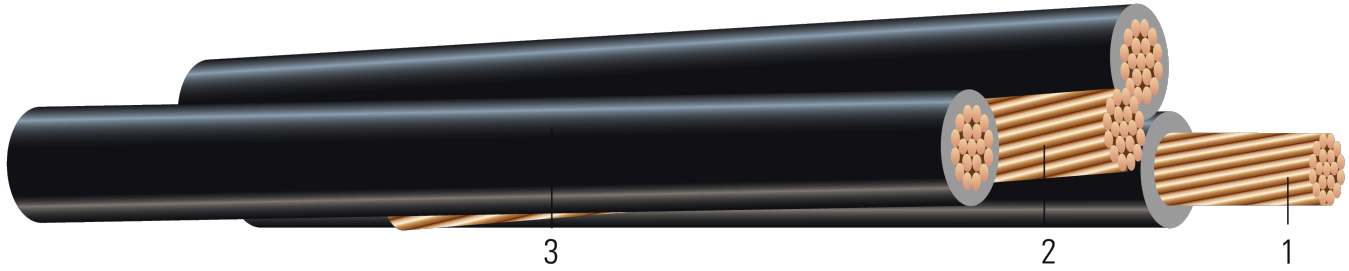


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Conductors are stranded, compressed copper
2. **Messenger:** Hard Drawn Copper
3. **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. OD	Approx. Weight
		AWG/Kcmil	No.	inch	mil	inch	AWG/Kcmil	No.	inch	lb/1000ft
TBA	Atlanta	6	7	0.177	30	0.237	6	1	0.576	449
TBA	Tallahassee	6	7	0.177	30	0.237	6	7	0.576	449
TBA	Baton Rouge	4	7	0.225	30	0.285	4	1	0.692	699
606621	Richmond	4	7	0.225	30	0.285	4	7	0.760	570
325886	Seattle	2	7	0.282	45	0.372	2	7	0.900	889
TBA	Jackson	2	7	0.282	45	0.372	2	1	0.902	1127
TBA	Nashville	1/0	19	0.361	60	0.481	1/0	7	1.166	1805
110908	Lincoln	2/0	19	0.405	60	0.525	2/0	7	1.269	1771
TBA	Raleigh	3/0	19	0.456	60	0.576	3/0	7	1.396	2812
TBA	Denver	4/0	19	0.512	60	0.632	4/0	7	1.531	3513

All dimensions are nominal and subject to normal manufacturing tolerances





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	Ω/1000ft	Ω/1000ft	Ω/1000ft	ft	Amp
Atlanta	6	1280	0.411	0.495	0.051	0.005	95 / 105
Tallahassee	6	1228	0.411	0.495	0.051	0.005	95 / 105
Baton Rouge	4	1970	0.258	0.310	0.048	0.007	125 / 140
Richmond	4	1938	0.258	0.310	0.048	0.007	125 / 140
Seattle	2	3050	0.162	0.195	0.045	0.008	170 / 190
Jackson	2	3003	0.162	0.195	0.045	0.008	170 / 190
Nashville	1/0	4752	0.102	0.122	0.044	0.011	230 / 260
Lincoln	2/0	5926	0.081	0.097	0.043	0.013	265 / 300
Raleigh	3/0	7366	0.064	0.078	0.042	0.014	310 / 350
Denver	4/0	9154	0.051	0.062	0.041	0.016	360 / 405

