

# Quadruplex Copper XLPE Service Drop Neutral - Messenger

Copper Conductors With Crosslinked Polyethylene Insulation.

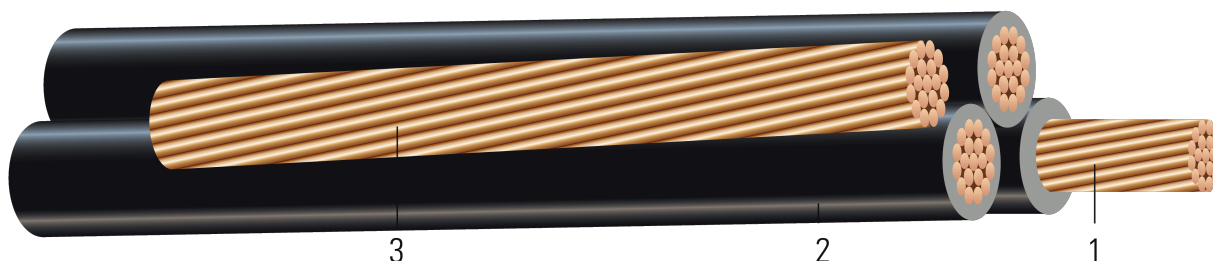


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

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

## 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 Standard Specification for 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	0.184	45	0.274	6	1	368
TBA	Tallahassee	6	7	0.184	45	0.274	6	7	369
TBA	Richmond	4	7	0.232	45	0.322	4	7	573
TBA	Baton Rouge	4	7	0.232	45	0.322	4	1	570
TBA	Jackson	2	7	0.292	45	0.382	2	1	889
TBA	Seattle	2	7	0.292	45	0.382	2	7	893
TBA	Nashville	1/0	19	0.368	60	0.488	1/0	7	1420
TBA	Lincoln	2/0	19	0.414	60	0.534	2/0	7	1773
TBA	Raleigh	3/0	19	0.414	60	0.534	3/0	7	2220
TBA	Denver	4/0	19	0.414	60	0.534	4/0	7	2781

All dimensions are nominal and subject to normal manufacturing tolerances



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | www.southwire.com



Southwire

**CABLETECH  
SUPPORT™**

Services

**Table 2 – Electrical and Engineering Data**

Stock Number	Code Word	Phase Cond. Size	Neutral Rated Breaking Strength	DC Resistance @ 25°C	AC Resistance @ 90°C	Inductive Reactance @ 60Hz	GMR	Allowable Ampacity In Air 90°C
		AWG/Kcmil	lb	Ω/1000ft	Ω/1000ft	Ω/1000ft	ft	Amp
TBA	Atlanta	6	1280	0.416	0.512	0.0327	0.0086	95
TBA	Tallahassee	6	1228	0.416	0.512	0.0327	0.0107	95
TBA	Richmond	4	1938	0.262	0.322	0.031	0.0121	125
TBA	Baton Rouge	4	1970	0.262	0.322	0.031	0.0122	125
TBA	Jackson	2	3003	0.165	0.202	0.03	0.0204	170
TBA	Seattle	2	3050	0.165	0.202	0.03	0.0205	170
TBA	Nashville	1/0	4752	0.103	0.127	0.029	0.0206	230
TBA	Lincoln	2/0	5926	0.082	0.101	0.029	0.0207	265
TBA	Raleigh	3/0	7366	0.082	0.101	0.029	0.0207	305
TBA	Denver	4/0	9154	0.082	0.101	0.029	0.0207	350

