

# **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<br>Number | Code<br>Word | Phase<br>Cond. Size | Phase<br>Strand | Dia. Over Phase<br>Conductor | Phase Insul.<br>Thickness | Dia. Over Phase<br>Insulation | Neutral<br>Cond. Size | Neutral<br>Strand | Approx.<br>OD | Approx.<br>Weight |
|-----------------|--------------|---------------------|-----------------|------------------------------|---------------------------|-------------------------------|-----------------------|-------------------|---------------|-------------------|
|                 |              | AWG/Kcmil           | No.             | inch                         | mil                       | inch                          | AWG/Kcmil             | No.               | inch          | lb/1000ft         |
| 325886          | Seattle      | 2                   | 7               | 0.282                        | 45                        | 0.372                         | 2                     | 7                 | 0.900         | 889               |

All dimensions are nominal and subject to normal manufacturing tolerances

## Table 2 – Electrical and Engineering Data

| Code<br>Word | Phase Cond.<br>Size | Neutral Rated Breaking<br>Strength | DC Resistance @ 25°C | AC Resistance @<br>75°C | Inductive Reactance<br>@ 60Hz | GMR   | Allowable Ampacity In Air<br>75/90°C |
|--------------|---------------------|------------------------------------|----------------------|-------------------------|-------------------------------|-------|--------------------------------------|
|              | AWG/Kcmil           | lb                                 | Ω/1000ft             | Ω/1000ft                | Ω/1000ft                      | ft    | Amp                                  |
| Seattle      | 2                   | 3050                               | 0.162                | 0.195                   | 0.045                         | 0.008 | 170 / 190                            |



TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.