





# Quadruplex 750 kcmil Aluminum 600VUD Windham YES Type USE-2

#### Specifications

\* ASTM B609: Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes

\* ASTM B901: Compressed Round Stranded Aluminum Conductors

Using Single Input Wire Construction. (The number of strands for both phase and neutral may differ)

\* UL 854: Service Entrance Cable

\* ICEA S-105-692: 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables



Cable image is for reference only and does not depict actual cable construction

#### Construction

- 1) Conductor: Compressed stranded 1350-H16/H26 (3/4 Hard) aluminum per ASTM B609 and B901
- 2) Insulation: Cross Linked Polyethylene (XLPE) Type USE-2
- Neutral: Compressed stranded 1350-H16/H26 (3/4 Hard) aluminum per ASTM B609 and B901 with Cross Linked Polyethylene (XLPE) with three Yellow Extruded Stripes (YES) Type USE-2

## **Application and Features**

Conductors are stranded, compressed 1350-H16/H26 (3/4 Hard) aluminum, insulated with cross-linked polyethylene. Neutrals are identified by three yellow extruded stripes. Cables with "YES" neutrals have sequential footage markers. Conductors are durably surface printed for identification. Three-phase conductors and one neutral conductor are cabled together to produce the quadruplex cable configuration. These cables are capable of operating continuously at the conductor temperature not in excess of 90°C for normal operation in wet and dry locations, 130°C for emergency overload, and 250°C for short circuit conditions. UL listed as USE-2 per UL 854 Service-Entrance Cables

### Print Legend

Phase: SOUTHWIRE E32071 {UL} 750 KCMIL AL TYPE USE-2 110 MILS XLP 600 VOLTS PHASE XXXXX

Neutral: {SQFTG} FT SOUTHWIRE E32071 {UL} 500 KCMIL AL TYPE USE-2 95 MILS XLP 600 VOLTS

| Stock<br>Code | Code<br>Name | Phase<br>Conductor<br>Size (Strands) | Diameter<br>Over Phase<br>Conductor | Phase<br>Insulation<br>Thickness | Diameter<br>Over Phase<br>Insulation | Neutral<br>Conductor<br>Size (Strands) | Diameter<br>Over Neutral<br>Insulation | Approx<br>Plex<br>OD | Approx<br>Plex<br>Weight |
|---------------|--------------|--------------------------------------|-------------------------------------|----------------------------------|--------------------------------------|--|--|----------------------|--------------------------|
| -             | -            | kcmil                                | inch                                | mil                              | inch                                 | kcmil                                  | inch                                   | inch                 | lb/1000ft                |
| 622286        | Windham      | 750 (55)                             | 0.939                               | 110                              | 1.159                                | 500 (34)                               | 0.950                                  | 2.797                | 3171                     |

<sup>\*</sup> Dimensions are nominal and subject to normal manufacturing tolerances. \* Sample print legend, actual may vary.

| Drn/Chk By: | JT    | Req By: | GH      | 1/9/2025 |
|-------------|-------|---------|---------|----------|
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