TYPE DUPLEX - EC-1350 SERIES ALUMINUM - OVERHEAD SERVICE DROP - 600V
ACSR - ALUMINUM CONDUCTOR STEEL REINFORCED SUPPORTING NEUTRAL

Patents: encorewire.com/patents

ENGINEERING SPECIFICATIONS

Standards

Compact Stranded Aluminum Alloy 1350 Series per ASTM B233, ASTM B836, ASTM B232; ANSI/ICEA S-76-474; RoHS Compliant; RUS Accepted

CONSTRUCTION

Conductors

Insulated Conductor: Compact Stranded Aluminum Alloy 1350 Series per ASTM B230, ASTM B609, ASTM B231, and ASTM B836
Neutral Conductor: Stranded Aluminum Steel Reinforced (ACSR), 1350 Series Alloy Bare Supporting Neutral with Steel Support Center Wire per ASTM B230 and ASTM B232

Insulation

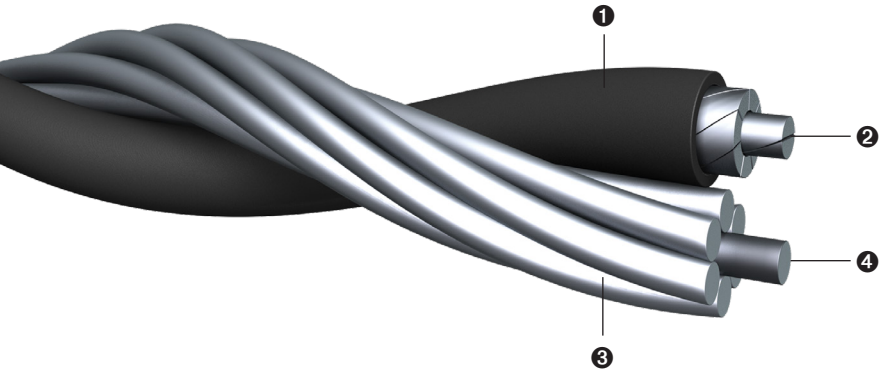
Cross-link polyethylene (XLPE) black insulation per ANSI/ICEA S-76-474, rated 90°C wet or dry

APPLICATIONS

Duplex overhead service drop cable with ACSR 1350 Series alloy supporting neutral is designed for applications not exceeding 600 volts with a maximum conductor operating temperature of 90°C wet or dry. Primarily used for delivering single phase power from utility power lines or transformers to the service point of a building or structure. Suitable for 120-volt aerial service for outdoor lighting or for temporary service at construction sites.

FEATURES

Duplex overhead service drop cable has one black XLPE insulated aluminum conductor cabled around a bare-stranded ACSR 1350 Series alloy supporting neutral with steel support center wire. Superior weather, abrasion, crush, and sunlight-resistant XLPE insulation rated 90°C operation wet or dry. Manufactured and tested according to *ANSI/ICEA S-76-474: Standard for Neutral Supported Power Cable Assemblies with Weather-Resistant Extruded Insulations Rated 600 Volts.* Insulated conductor is surface printed for identification.



1. XLPE Insulation
2. Compact Stranded Conductor, EC-1350 Series
3. Stranded Aluminum Conductor Steel Reinforced Supporting Neutral (ACSR), EC-1350 Series
4. Steel Support Center Wire

Code Name	Conductor Sizes (AWG)	Phase Conductors				Bare Neutral Conductor					Ampacity (XLPE)[1,2]	Diameter of Final Construction (in)	Approximate Net Weight (lbs/1000 ft)	Standard Packaging (ft)
		Size (AWG)	No. of Strands	Insulation Thickness (in)	Outside Diameter (in)	Type	Size (AWG)	No. of Strands	Rated Strength (lbs)	Finished OD (in)				
Shepard	6-6	6	7	0.045	0.259	ACSR	6	6+1	1190	0.198	110	0.457	75	500' 1000' 1500' Reels
Terrier	4-4	4	7	0.045	0.303	ACSR	4	6+1	1860	0.250	145	0.553	110	500' 1000' 1500' Reels
Chow	2-2	2	7	0.045	0.358	ACSR	2	6+1	2850	0.316	195	0.674	180	500' 1000' 1500' Reels
Bull	1/0-1/0	1/0	10	0.060	0.456	ACSR	1/0	6+1	4380	0.398	260	0.854	280	500' 1000' 1500' Reels

[1] Ampacities shown are for non-NEC applications and are based on the following factors:
a) conductor temperature of 65°C over 25°C ambient temperature
b) 2 ft./sec crosswind
c) .9 coefficient of emissivity, no sun
For NEC® type applications, consult appropriate NEC ampacity section
The above data is approximate and subject to normal manufacturing tolerances.
[2] Engineers: Reference the Aluminum Electrical Conductors Handbook.

PRINT LEGEND: ENCORE WIRE CORP (SIZE) AWG EC-1350 AL CDR XLPE SUN-RES 600 VOLT DATE/TIME/OPER/QC