

TYPE TRIPLEX - 1350 SERIES ALUMINUM - UNDERGROUND DISTRIBUTION CABLE - 600V

SINGLE-RATED: XLPE INSULATED 90°C

ENGINEERING SPECIFICATIONS

Standards

Underwriters Laboratories® Standards UL-854; ANSI/ICEA S-105-692; IEEE 835-1994; Compact Stranded Aluminum Alloy 1350 Series per ASTM B230, ASTM B231, ASTM B609, ASTM B836; ARRA 2009 Section 1605 "Buy American" Compliant; RoHS Compliant; RUS Accepted; ICEA S-81-570; UL Listing #E-174428



Listing E-174428

CONSTRUCTION

Conductors

Compact Stranded Aluminum Alloy 1350 Series per ASTM B230, ASTM B231, ASTM B609, and ASTM B836

Insulation

Cross-link polyethylene (XLPE) insulation per UL-854 and ANSI/ICEA S-105-692.

Black XLPE insulation on phase conductors, yellow XLPE insulation on grounded (neutral) conductor.

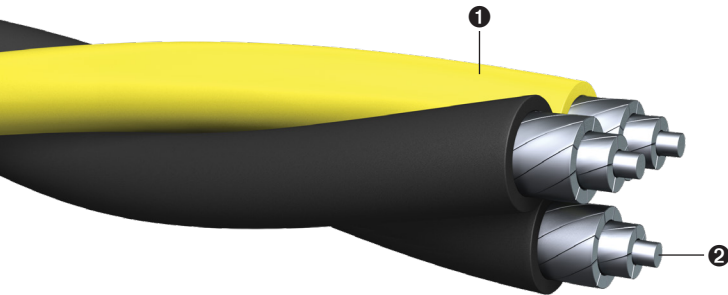


APPLICATIONS

Triplex Construction, XLPE insulated conductor for utility underground applications not exceeding 600 volts. For NEC applications when used as USE-2 per UL 854 and NEC 310.104(A) and non-NEC applications including direct burial, or for installation in electrical ducts or raceways. For wet or dry locations not exceeding 90°C for normal operation, 130°C for emergency overloads not to exceed 100 hours within 12 consecutive months.

FEATURES

Two black XLPE insulated phase conductors cabled together with one yellow XLPE insulated neutral conductor. Superior weather, abrasion, crush, and sunlight-resistant XLPE insulation. Manufactured and tested according to *ANSI/ICEA S-105-692: Standard For 600 Volt Single Layer Thermoset Insulated Utility Underground Distribution Cables*. Also manufactured and tested according to UL-854 for single-rated USE-2 cables. Conductors are surface printed for identification. Excellent ruggedized and mechanical protection.



- ① XLPE Insulation
- ② Compact Stranded Conductor, EC-1350 Series

Code Name	Conductor Sizes (AWG)	Phase Conductors				Neutral Conductor				Finished Cable		Allowable Ampacities for Direct Burial ¹	Standard Packaging (ft)
		Size (AWG)	No. of Strands	XLPE Thickness (in)	Outside Diameter (in)	Size (AWG)	No. of Strands	XLPE Thickness (in)	Outside Diameter (in)	Outside Diameter (in)	Approximate Net Weight (lbs/1000 ft)		
Erskine ²	6-6-6	6	7	0.060	0.289	6	7	0.060	0.289	0.643	130	100	500' 1000' 1500' Reels
Vassar	4-4-4	4	7	0.060	0.333	4	7	0.060	0.333	0.744	185	130	500' 1000' 1500' Reels
Stephens	2-2-4	2	7	0.060	0.388	4	7	0.060	0.333	0.869	241	168	500' 1000' 1500' Reels
Ramapo	2-2-2	2	7	0.060	0.388	2	7	0.060	0.388	0.869	269	168	500' 1000' 1500' Reels
Brenau	1/0-1/0-2	1/0	10	0.080	0.496	2	7	0.060	0.388	1.111	380	219	500' 1000' 1500' Reels
Bergen	1/0-1/0-1/0	1/0	10	0.080	0.496	1/0	10	0.080	0.496	1.111	436	219	500' 1000' 1500' Reels
Converse	2/0-2/0-1	2/0	12	0.080	0.536	1	8	0.080	0.459	1.200	471	249	500' 1000' 1500' Reels
Hunter	2/0-2/0-2/0	2/0	12	0.080	0.536	2/0	12	0.080	0.536	1.200	526	249	500' 1000' 1500' Reels
Hollins	3/0-3/0-1/0	3/0	15	0.080	0.583	1/0	10	0.080	0.496	1.300	573	284	500' 1000' 1500' Reels
Rockland	3/0-3/0-3/0	3/0	15	0.080	0.583	3/0	15	0.080	0.583	1.300	640	284	500' 1000' 1500' Reels
Sweetbriar	4/0-4/0-2/0	4/0	19	0.080	0.635	2/0	12	0.080	0.536	1.420	695	322	500' 1000' 1500' Reels
Monmouth	4/0-4/0-4/0	4/0	19	0.080	0.635	4/0	19	0.080	0.635	1.420	780	322	500' 1000' 1500' Reels
Pratt	250-250-3/0	250	22	0.095	0.710	3/0	15	0.080	0.583	1.550	844	356	500' 1000' 1500' Reels
Wesleyan	350-350-4/0	350	24	0.095	0.806	4/0	19	0.080	0.635	1.810	1105	431	500' 1000' 1500' Reels
Newark	350-350-350	350	24	0.095	0.806	350	24	0.095	0.806	1.810	1266	431	500' 1000' 1500' Reels
Holyoke	500-500-300	500	34	0.095	0.926	300	21	0.095	0.760	2.060	1528	525	500' 1000' 1500' Reels
Rider	500-500-350	500	34	0.095	0.926	350	24	0.095	0.806	2.060	1581	525	500' 1000' 1500' Reels
Westchester	500-500-500	500	34	0.095	0.926	500	34	0.095	0.926	2.060	1739	525	500' 1000' 1500' Reels
Fairfield	750-750-500	750	47	0.110	1.128	500	34	0.095	0.926	2.405	2300	615	500' 1000' 1500' Reels

¹ Ampacities shown are for non-NEC applications and are based on current in phase conductors only:

- a) 90°C conductor temperature
- b) 20°C earth ambient
- c) 100% load factor
- d) (Rho) = 90°C-cm/watt earth thermal resistivity for three cable, 36" deep burial

² IEEE 835, Standard Power Cable Ampacity Table

For NEC applications, consult appropriate NEC ampacity section. The above data is approximate and subject to normal manufacturing tolerances.

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PRINT LEGEND: ENCORE WIRE CORP (SIZE) EC-1350 AL CDR TYPE USE-2 SUN-RES DIR-BUR 600 VOLT XLPE (UL) DATE/TIME/OPER/QC