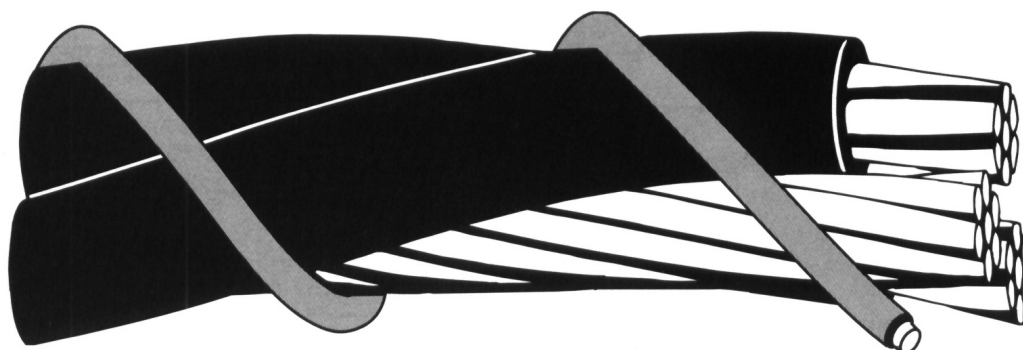


Reverse Twist Secondary. Aluminum Conductors.
High Density Polyethylene or Crosslinked Polyethylene Insulation.



APPLICATIONS

Used as secondary overhead distribution cable at voltages of 600 volts phase-to-phase or less at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors. Due to built-in phase conductor looseness, RTS cable facilitates stringing with conventional equipment and mid-span taps. The alternating lay of RTS cable reduces its susceptibility to the "galloping effect" encountered by many parallel aerial cable installations in areas where heavy winds are common.

SPECIFICATIONS

Southwire's RTS cable meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- B-231 Aluminum Conductors, Concentric-Lay-Stranded.
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced (ACSR).
- B-399 Concentric-Lay-Stranded, 6201-T81 Aluminum Alloy Conductors.

Southwire's RTS cable meets or exceeds all applicable requirements of ANSI/ICEA S-76-474.

CONSTRUCTION

Conductors are concentrically stranded, compressed 1350-H19 aluminum, insulated with either high density polyethylene or crosslinked polyethylene (XLP). Neutral messengers are either 6201 aluminum alloy or ACSR. Binder wires are 1350-H19 aluminum alloy, AWG 10 covered with high density polyethylene. The phase conductors are wrapped helically around the messenger, reversed in direction each lay (one complete wrap). The conductors are bound to the messenger with the binder wire. Four conductor cables incorporate phase identification with ridges for phase identification (one conductor one ridge, one conductor two ridges, one conductor plain).

Reverse Twist Secondary

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+		
	Size (AWG or kcmil)	Strand- ing	Insul. Thick. (mils)	Equiv. Dia.** (AWG or kcmil)	Size (kcmil)	Strand ing	Rated Strength (lbs).	XLP	HD POLY	XLP	HD POLY
THREE CONDUCTOR-6201 ALLOY NEUTRAL-MESSENGER											
Pope	2	7	45	2	77.47	7	2800	256	257	150	120
Auburn	1/0	7	60	1/0	123.3	7	4460	404	407	205	160
Packard	336.4	19	80	336.4	246.9	7	8560	1050	1055	420	320
Durant	4/0	7	60	4/0	246.9	7	8560	756	759	315	245
Rockne	2/0	7	60	2/0	155.4	7	5390	497	500	235	185

*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Pope/XLP).

**Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.

+Ampacity figures for black insulation only (gray will vary slightly). Conductor temperature of 90°C for XLP, 75°C for HD Poly; ambient temperature of 40°C emissivity 0.9; 2 ft./sec. wind in sun.

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+		
	Size (AWG)	Strand- ing	Insul. Thick. (mils)	Size (AWG)	Strand ing++	Rated Strength (lbs).	XLP	HD POLY	XLP	HD POLY	
THREE CONDUCTOR-ACSR NEUTRAL-MESSENGER											
Edsel	2	7	45	2	6/1	2850	275	276	150	120	
Reo	4/0	7	60	4/0	6/1	8350	816	820	315	245	
Cord	2/0	7	60	2/0	6/1	5300	535	538	235	185	
Essex	1/0	7	60	1/0	6/1	4380	434	437	205	160	

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++For ACSR shows Al/Stl

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+		
	Size (AWG or kcmil)	Strand- ing	Insul. Thick. (mils)	Equiv. Dia.** (AWG or kcmil)	Size (AWG)	Strand ing	Rated Strength (lbs).	XLP	HD POLY	XLP	HD POLY
FOUR CONDUCTOR-6201 ALLOY NEUTRAL-MESSENGER											
Cruiser	2	7	45	2	77.47	7	2800	342	344	130	105
Galley	1/0	7	60	1/0	123.3	7	4460	542	546	180	140
Tugboat	336.4	19	80	336.4	394.5	19	8560	1589	1597	370	280
Tanker	4/0	7	60	4/0	246.9	7	8560	1011	1017	275	210
Trawler	2/0	7	60	2/0	155.4	7	5390	666	670	205	160

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Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+	
	Size (AWG)	Strand- ing	Insul. Thick. (mils)	Size (AWG)	Strand ing++	Rated Strength (lbs).	XLP	HD POLY	XLP	HD POLY
FOUR CONDUCTOR-ACSR NEUTRAL-MESSENGER										
Ketch	2	7	45	2	6/1	2850	361	363	105	130
Sloop	2/0	7	60	2/0	6/1	5300	704	--	160	205
Cutter	4/0	7	60	4/0	6/1	8350	1072	1077	210	275
Schooner	1/0	7	60	1/0	6/1	4380	572	576	140	180

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