



POWER CABLE



HUATONG



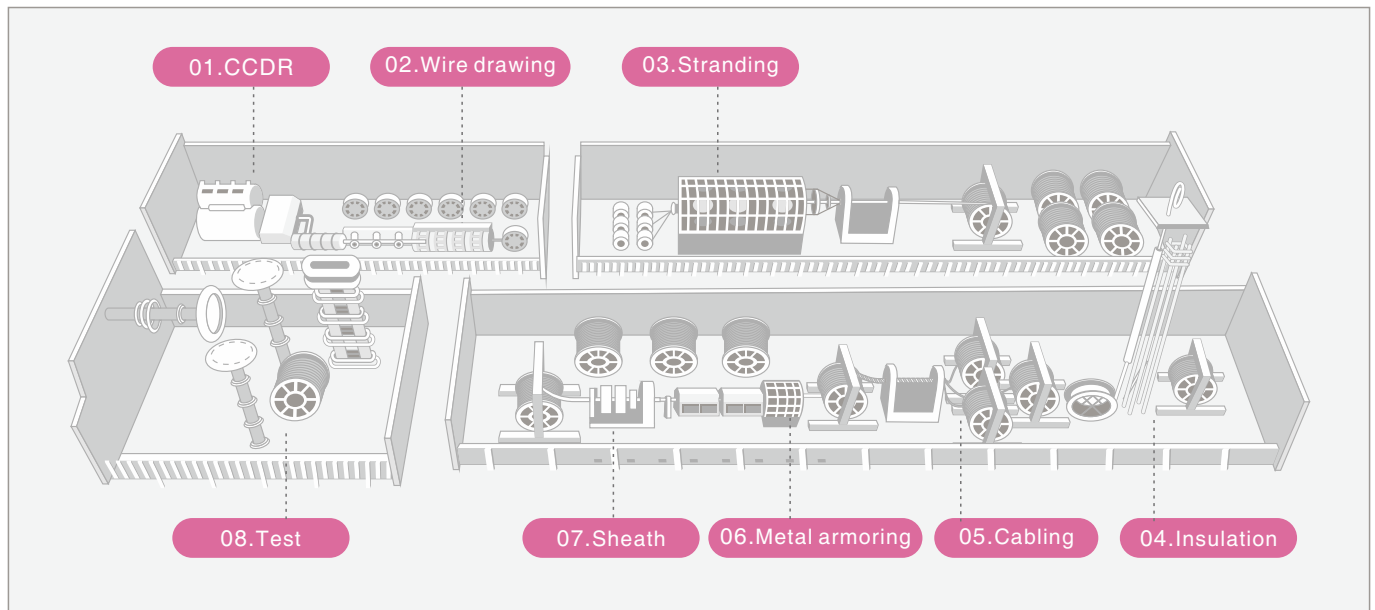
Huatong Cable Inc. was founded in 1993 in Luoyang, Henan Province, the venerable historical capital that has been sacred ground since the late Neolithic period and known for its beautiful peonies. Luoyang was among the first “National Historical and Cultural Cities” listed by the State Council, and also the most important industrial city in central China. Born during the rapid industrialization of China, Huatong Cable Inc. has made notable contributions to the development of State Grid Corporation of China, China Southern Power Grid Company and other power enterprises at home and abroad. The honors Huatong has won are well-deserved, thanks to its determined pursuit of product innovation, painstaking efforts to serve the customers and strong will to forge ahead into the future for over twenty years.

Huatong Cable Inc. is comprised of the Overhead Conductor Business Division, the Power Cable Division and the Business Division for Wires and Cables of Electrical Equipment. All three divisions are responsible for the manufacturing and sales of their respective products. In 2002, the Division for Cable Industrial Design and Technology R&D was established to provide product design and R&D support for the company. As a complement to its independent research, and in order to meet specific requirements of individual customers as well as market demand for special cables, Huatong has also sought cooperation with Shanghai Electric Cable Research Institute and China Electric Power Research Institute, among other academic institutions. So far the company enjoys 25 exclusive rights to use registered trade mark and 14 patents of proprietary intellectual property rights, among which, ACSR-720/50 has passed the technical evaluation by the China Electricity Council while its EHV(Extra High Voltage) conductor at 1000kV+ has been put into production and use, with satisfactory performance.

Products of Huatong Cable Inc. are widely applicable in power transmission, transport, energy and urban construction, etc. It adopts the team marketing method and has set up regional sales sections, with more than a hundred sales outlets and hundreds of salespersons capable of optimizing customer satisfaction all over China. Our partners are not limited to state-owned electric power companies: we have provided high quality products for China Datang Corporation, China Huaneng Group, China Guodian Corporation, China Power Investment Corporation, Sinopec Group, China National Petroleum Corporation, etc., as well. In addition, the company has also been the supplier for national key projects like the Qinghai-Tibet Railway, the Wuhan-Guangzhou Railway, the West-East Natural Gas Transmission, the South-to-North Water Diversion and the Three Gorges Dam. International partners include America, India, Burma, the Philippines, Australia, Nigeria, Kenya, Ghana, South Africa, Brazil and Chile, among other countries. Huatong becomes increasingly well-known and has won the trust of more and more customers.

In 2013, the Huatong brand was awarded the “China Famous Trade Mark” by the Trademark Office of China’s State Administration of Industry and Commerce, which eloquently demonstrates Huatong’s brand influence and prestige among Chinese customers. Huatong is also the first Henan-based brand to have won such an honor. In 2015 Huatong Cable was successfully listed on NEEQ stock market, which is bound to further enhance the company’s reputation and help it expand in an accelerated yet steady manner. Huatong Cable Inc. is dedicated to improve itself by contributing to the customer’s progress. It seeks to strengthen its strategic partnership with customers with business model innovation, product portfolio restructuring and development of environmentally-friendly high quality products. With this objective in mind, Huatong Cable Inc. will continue its unswerving efforts to better serve the customer and embrace the future.

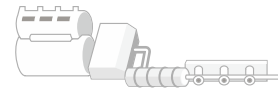
CRAFTSMANSHIP



01

CCDR (Continue Casting Direct Rolling)

Put the Aluminum ingot into the melting furnace, moulding it into Aluminum rod or Aluminum alloy rod of diameter 8-9.5mm after melt.



02

Wire drawing

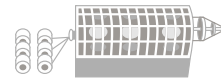
Draw the electric round aluminum rod into wire of diameter 0.15-5mm with high-speed drawing equipment.



03

Stranding

Strand one or more wire layers surrounding the concentric wire into conductor.



04

Insulation

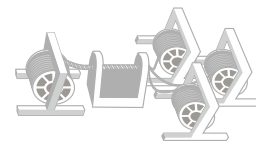
Extrude the conductor with the XLPE raw material surrounding it, material cross link under high- temperature and high-pressure, then cooled to be insulation.



05

Cabling

The process to bunch several insulated conductors into one.



06

Metal armoring

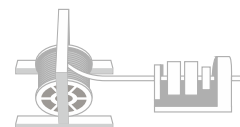
In order to protect the insulated conductor, surround the insulated conductor with magnetic or non magnetic metal material, like steel wire or aluminum wire.



07

Sheath

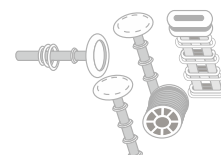
Extrude the cable after surround the semi-finished armored insulated conductors with melting PVC or PE.



08

Test

The power cable plays an important role in power transmission lines, can be used only after strict testing.



Structure Icon

Conductor



Stranded conductor



Annealed conductor



Bundled Bunched conductor



Aluminum conductor



Copper conductor



Round wire

Insulation



Polyvinyl chloride



Crosslinked polyethylene



Polyethylene

Shielding



Semi-conducting shielding, copper wire shielding, copper tape shielding

Fill



PE Filler strip
PP rope

Armoured



Steel wire
Aluminum wire armored



Steel tape
Aluminum tape

Sheath



Polyvinyl chloride



Polyethylene

Performance Icon



flame retardant
fire resistant



Chemical
Resistance



Sun/Rain
Resistance



Low temperature
laying permitted



Max working
temperature 75°C



Max working
temperature 90°C



Min bending radius
of cable laying

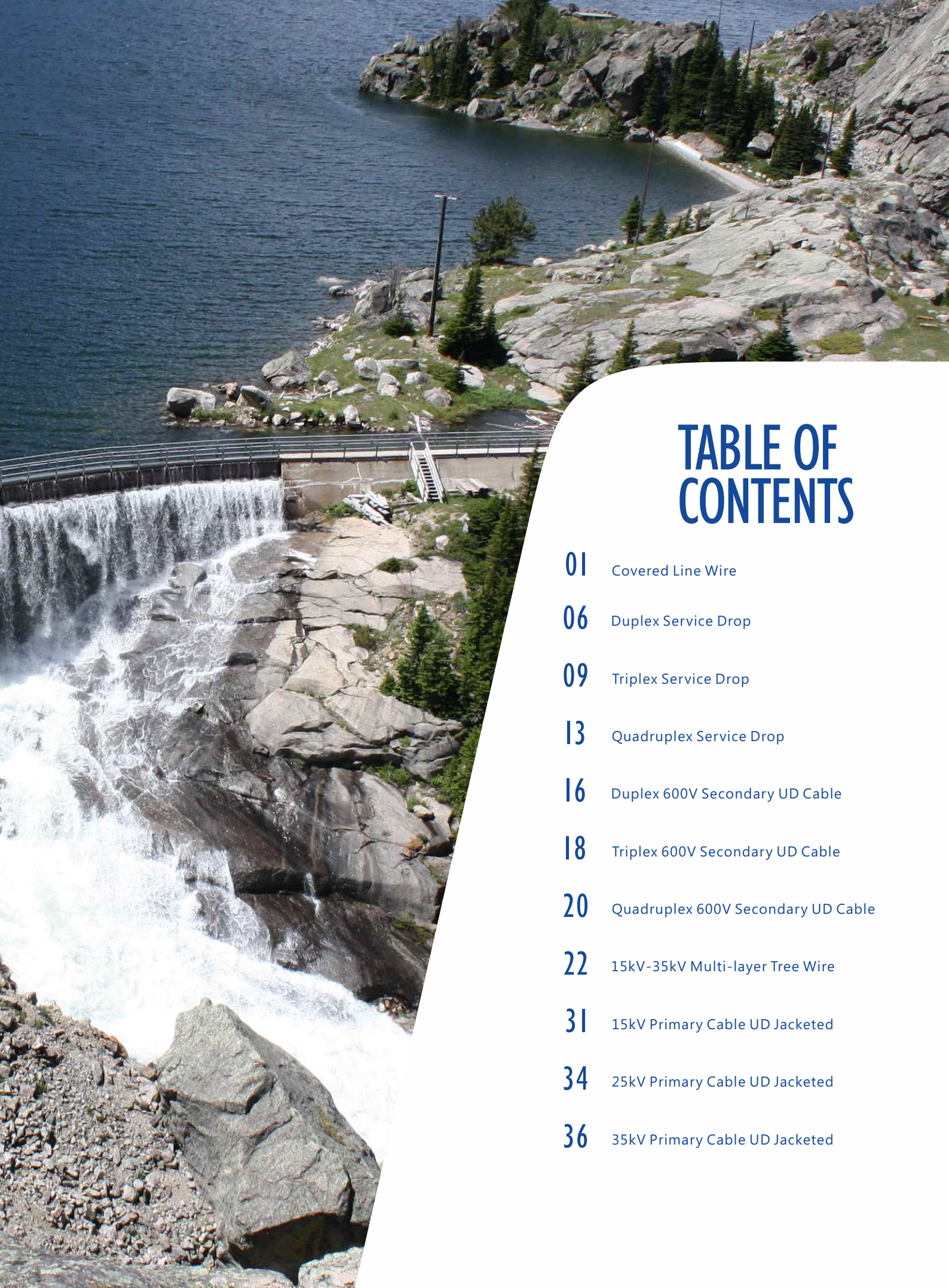


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Covered Line Wire

Copper Conductor. Polyethylene or Crosslinked Polyethylene Covering.



APPLICATIONS

Used primarily for, but not limited to, overhead secondary distribution lines. Installed on insulators, otherwise treated as a bare conductor.

SPECIFICATIONS

Huatong™ covered line wire-copper meets or exceeds the following ASTM specifications:

- B-1 Hard-Drawn Copper Wire.
- B-2 Medium Hard-Drawn Copper Wire.
- B-8 Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft.

Covered line wire-copper meets all applicable requirements of ANSI/ICEA S-70-547.

CONSTRUCTION

Conductors are hard or medium-hard concentrically stranded copper. Covered with polyethylene or crosslinked polyethylene (XLP), black.

Covered Line Wire

Copper Conductor. Polyethylene or Crosslinked Polyethylene Covering.

CU Covered Line Wire

Size(AWG)	Stranding	Cover Thick. (mils)	O.D. Cover (mils)	Copper Content per 1000 ft. (lbs.)	Weight Per 1000 ft. (lbs.)		DC Resistance OHMS/1000 ft. @20°C	Allowable Ampacity+
					XLP	Poly		
SOLID								
6	1	30	222	79.4	86.7	86.7	0.411	130
4	1	30	264	126.3	135.3	135.3	0.258	170
3	1	45	319	159.3	174.9	174.9	0.205	195
2	1	45	348	200.9	218.1	218.1	0.163	225
+Ampacity based on conductor temperature of 75°C; ambient temperature of 25°C; 2 ft./sec. wind in sun.								

Size(AWG or kcmil))	Stranding	Cover Thick. (mils)	O.D. Cover (mils)	Copper Content per 1000 ft. (lbs.)	Weight Per 1000 ft. (lbs.)		DC Resistance OHMS/1000 ft. @20°C	Allowable Ampacity+
					XLP	Poly		
STRANDED								
6	7	30	238	81	90.3	90.3	0.503	130
4	7	30	285	128.9	140.8	140.8	0.316	175
2	7	45	373	204.9	227.1	227.1	0.199	230
1/0	7	60	477	326.1	363.3	363.3	0.125	305
2/0	7	60	522	410.9	453.3	453.3	0.0992	350
3/0	7	60	570	518.1	565.6	565.6	0.0788	405
4/0	7	60	626	653.3	707.6	707.6	0.0625	465
250	19	60	677	771.9	825.4	825.4	0.053	520
300	19	60	729	926.2	984.6	984.6	0.0442	580
350	19	60	779	1080.6	1144.5	1144.5	0.038	640
500	37	80	950	1543.8	1637.2	1637.2	0.0278	785
750	61	80	1128	2315.6	2422.8	2422.8	0.0182	995
1000	61	95	1307	3087.5	3234	3234	0.014	1180
+Ampacity based on conductor temperature of 75°C; ambient temperature of 25°C; 2 ft./sec. wind in sun.								

Covered Line Wire

Aluminum Conductor. Polyethylene or Crosslinked Polyethylene Covering.



APPLICATIONS

Used primarily for, but not limited to, overhead secondary distribution lines. Installed on insulators, otherwise treated as a bare conductor.

SPECIFICATIONS

Huatong™ covered line wire 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.

Covered line conductors meet all applicable requirements of ANSI/ICEA S-70-547.

CONSTRUCTION

Aluminum alloy 1350-H19, 6201, or ACSR conductors, concentrically stranded. Covered with polyethylene or crosslinked polyethylene (XLP).

Covered Line Wire

Aluminum Conductor. Polyethylene or Crosslinked Polyethylene Covering.

Covered Line Wire

Code Word	Equiv Dia (AWG)*	Size (kcmil)	Strand-ing	Cover Thickness (mils)	Total Diameter (mils)	Rated Strength (lbs.)	Weight Per 1000 ft. (lbs.)			Allowable Ampacity +
							XLP	Conv Poly	HD Poly	
6201 ALUMINUM Alloy										
Hornbeam	4	48.69	7	30	310	1360	60	60	-	145
Linden	2	77.47	7	45	406	2160	99	99	-	190
Oilnut	1/0	123.3	7	60	518	3440	159	159	-	250
Waterash	2/0	155.4	7	60	567	4160	195	195	-	290
Shellbark	3/0	195.7	7	60	622	5240	240	240	-	335
Planetree	4/0	246.9	7	60	683	6610	297	297	-	385
*Diameter equivalent to ACSR construction or 1350 aluminum equivalent. +Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation-sea level. Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering-375°C M/Watt-CM. Wind speed 2 ft./sec.in sun.										

Code Word	Size (AWG or kcmil)	STrand-ing	Cover Thickness (mils)	Total Diameter (mils)	Rated Strength (ibs.)	Weight Per 1000 ft. (ibs.)			Allowable Ampacity +
						XLP	Conv. Poly	HD Poly	
ACSR									
Walnut	6	6/1	30	258	1130	47	47	47	105
Butternut	4	6/1	30	310	1770	72	72	72	135
Hickory	4	7/1	30	317	2240	83	83	84	135
Pignut	2	6/1	45	406	2710	118	118	119	180
Beech	2	7/1	45	415	3460	136	136	137	180
Chestnut	1	6/1	45	444	3370	145	145	-	210
Almond	1/0	6/1	60	518	4160	190	190	191	235
Pecan	2/0	6/1	60	567	5040	233	233	235	270
Filbert	3/0	6/1	60	622	6290	288	288	290	305
Buckeye	4/0	6/1	60	683	7930	357	357	359	345
Hackberry	266.8	1/18	60	729	6540	354	354	-	435
+Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation-sea level. Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering-375°C M/Watt-CM. Wind speed 2 ft./sec. in sun.									

Covered Line Wire

Aluminum Conductor. Polyethylene or Crosslinked Polyethylene Covering.

Covered Line Wire

Code Word	Size (AWG or kcmil)	Strand- ing	Cover Thickness (mils)	Total Diameter (mils)	Rated Strength (ibs.)	Weight Per 1000 ft (ibs.)			Allowable Ampacity +
						XLP	Conv. Poly	HD Poly	
ALL-ALUMINUM									
Apple	6	1	30	222	445	31	31	-	105
Plum	6	7	30	238	510	56	34	-	105
Pear	4	1	30	264	710	47	47	-	135
Apricot	4	7	30	285	790	51	51	-	140
Cherry	2	1	45	348	1100	78	78	-	180
Peach	2	7	45	373	1220	84	84	85	180
Nectarine	1	7	45	408	1470	104	104	-	210
Quince	1/0	7	60	477	1790	136	136	-	240
Orange	2/0	7	60	522	2260	167	167	-	280
Fig	3/0	7	60	570	2740	205	205	-	320
Olive	4/0	7	60	626	3450	253	253	-	370
Pomegranate	4/0	19	60	632	3620	247	247	-	370
Mulberry	266.8	19	60	694	4470	305	305	-	430
Annona	336.4	19	60	765	5540	377	377	-	495
Molles	397.5	19	80	861	6400	462	462	-	545
Huckleberry	477	37	80	931	7820	538	538	-	610
Paw Paw	556.5	37	80	992	8950	619	619	-	670
Breadfruit	636.0	61	95	1081	10500	715	715	-	720
Persimmon	795	61	95	1186	12900	877	877	881	825
Grapefruit	1033.5	61	95	1326	16500	-	1118	-	970
+Ampacity ratings based on 75°C conductor temperature 25°C ambient temperature elevation-sea level. Emissivity 0.91 coefficient of absorption 0.95. Thermal resistivity of covering-375°C M/Watt-CM. Wind speed 2 ft./sec. in sun.									

Duplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



APPLICATIONS

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 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS

Huatong™ duplex service drop 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.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Duplex service drop 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 polyethylene or crosslinked polyethylene (XLP). Neutral messengers are concentrically stranded 6201, AAC, or ACSR.

Duplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Duplex Service Drop

Code*word	Phase conductor			Bare Neutal messenger				Weight Per 1000 ft. (lbs.)		Allowable Ampacities+	
	Size(AWG)	Strand-ing	Insul. Thick. (mils)	Equiv.Dia. (AWG)++	Size (kcmil)	Strand-ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
6201 ALLOY NEUTRAL-MESSENGER											
Chihuahua	6	1	45	6	30.58	7	1110	65	65	85	70
Vizsla	6	7	45	6	30.58	7	1110	68	68	85	70
Harrier	4	1	45	4	48.69	7	1760	99	99	115	90
Whippet	4	7	45	4	48.69	7	1760	103	103	115	90
Schnauzer	2	7	45	2	77.47	7	2800	157	157	150	120
Heeler	1/0	9	60	1/0	123.3	7	4460	250	250	205	160
* Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Chihuahua/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun. Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM b-399 for 6201											

Code*word	Phase conductor			Bare Neutal messenger			Weight Per 1000 ft. (lbs.)		Allowable Ampacities+	
	Size (AWG)	Strand-ing	Insul. Thick. (mils)	Size (AWG)	Strand-ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
AAC NEUTRAL-MESSENGER										
Pekingese	6	1	45	6	7	563	61	61	85	70
Collie	6	7	45	6	7	563	64	64	85	70
Dachshund	4	1	45	4	7	881	92	92	115	90
Spaniel	4	7	45	4	7	881	96	96	115	90
Doberman	2	7	45	2	7	1350	147	147	150	120
Malemute	1/0	9	60	1/0	7	1990	234	234	205	160
* Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Chihuahua/XLP). Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.										

Duplex Service Drop

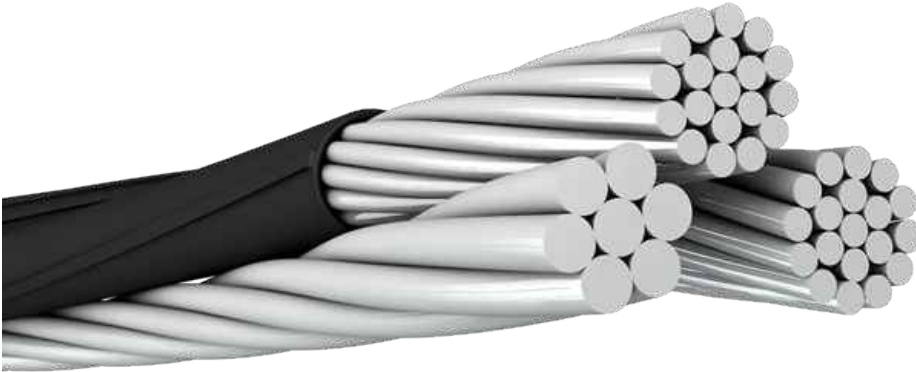
Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Duplex Service Drop

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	POLY	XLP	POLY
ACSR NEUTRAL-MESSENGER										
Setter	6	1	45	6	6/1	1190	72	72	85	70
Shepherd	6	7	45	6	6/1	1190	75	75	85	70
Eskimo	4	1	45	4	6/1	1860	110	110	115	90
Terrier	4	7	45	4	6/1	1860	115	115	115	90
Chow	2	7	45	2	6/1	2850	176	176	150	120
Bull	1/0	9	60	1/0	6/1	4380	280	280	205	160
* Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Chihuahua/XLP). Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.										

Triplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



APPLICATIONS

Used to supply power, usually from a pole-mounted transformer, to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts phase-to-phase or less and at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS

Huatong™ triplex service drop 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 Stranded 6201-T81 Aluminum Alloy Conductors.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Triplex service drop 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 polyethylene or crosslinked polyethylene (XLP). Neutral messengers are concentrically stranded 6201, AAC, or ACSR.

Triplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Triplex Service Drop

Code* Word	Phase Conductor			Bare Neutral Messenger				Weight Per 1000 ft.(lbs.)		Allowable Ampacities+	
	Size (AWG)	Strand-ing	Insul. Thick. (mils)	Equiv. Dia. (AWG)++	Size++ (kcmil)	Strand-ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY
6201 ALLOY NEUTRAL-MESSENGER											
Minex	6	1	45	6	30.58	7	1110	101	101	85	70
Hippa	6	7	45	6	30.58	7	1110	107	107	85	70
Prawn	4	1	45	4	48.69	7	1760	152	152	115	90
Barnacle	4	7	45	4	48.69	7	1760	160	160	115	90
Shrimp	2	7	45	2	77.47	7	2800	243	243	150	120
Gammarus	1/0	7	60	1/0	123.3	7	4460	390	390	205	160
Leda	1/0	9	60	1/0	123.3	7	4460	384	384	205	160
Dungenese	2/0	7	60	2/0	155.4	7	5390	483	483	235	185
Cyclops	2/0	11	60	2/0	155.4	7	5390	474	474	235	185
Flustra	3/0	17	60	3/0	195.7	7	6790	587	587	275	215
Lepas	4/0	18	60	4/0	246.9	7	8560	728	728	315	245
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun. ++Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.											

Code* Word	Phase Conductor			Bare Neutral Messenger				Weight Per 1000 ft.(lbs.)		Allowable Ampacities+	
	Size (AWG)	Strand-ing	Insul. Thick. (mils)	Equiv. Dia. (AWG)++	Size++ (kcmil)	Strand-ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY
6201 ALLOY REDUCED NEUTRAL-MESSENGER											
Artemia	4	1	45	6	30.58	7	1110	135	135	115	90
Crab	4	7	45	6	30.58	7	1110	143	143	115	90
Solaster	2	7	45	4	48.69	7	1760	216	216	150	120
Sandcrab	1/0	7	60	2	77.47	7	2800	347	347	205	160
Echinus	1/0	9	60	2	77.47	7	2800	341	341	205	160
Fulgar	3/0	17	60	1/0	123.3	7	4460	519	519	275	215
Arca	4/0	18	60	2/0	155.4	7	5390	643	643	315	245
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun. ++Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.											

Triplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Triplex Service Drop

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft. (lbs.)		Allowable Ampacities+	
	Size (AWG or kcmil)	Strand-ing	Insul. Thick. (mils)	Size (AWG or kcmil)	Strand-ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
AAC NEUTRAL-MESSENGER										
Patella	6	7	45	6	7	563	103	103	85	70
Oyster	4	7	45	4	7	881	154	154	115	90
Clam	2	7	45	2	7	1350	233	233	150	120
Murex	1/0	7	60	1/0	7	1990	374	374	205	160
Purpura	1/0	9	60	1/0	7	1990	368	368	205	160
Nassa	2/0	7	60	2/0	7	2510	462	462	235	185
Melita	3/0	17	60	3/0	19	3310	562	562	275	215
Portunus	4/0	18	60	4/0	19	4020	696	696	315	245
Nannynose	336.4	19	80	336.4	19	6146	1118	1118	420	325

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

+ Conductor temperature of 90°C for XLP, 75°C for 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 or kcmil)	Strand-ing	Insul. Thick. (mils)	Size (AWG or kcmil)	Strand-ing	Rated Strength (lbs.)	XLP	POLY	XLP	POLY
ACSR NEUTRAL-MESSENGER										
Paludina	6	1	45	6	6/1	1190	109	109	85	70
Voluta	6	7	45	6	6/1	1190	114	114	85	70
Whelk	4	1	45	4	6/1	1860	--	164	115	90
Periwinkle	4	7	45	4	6/1	1860	172	172	115	90
Conch	2	7	45	2	6/1	2850	262	262	150	120
Neritina	1/0	7	60	1/0	6/1	4380	420	420	205	160
Cenia	1/0	9	60	1/0	6/1	4380	414	414	205	160
Runcina	2/0	7	60	2/0	6/1	5310	520	520	235	185
Triton	2/0	11	60	2/0	6/1	5310	512	512	235	185
Mursia	3/0	17	60	3/0	6/1	6620	635	635	275	215
Zuzara	4/0	18	60	4/0	6/1	8350	789	789	315	245
Limpet	336.4	19	80	336.4	18/1	8680	1167	1167	420	325

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

+Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.

Triplex Service Drop

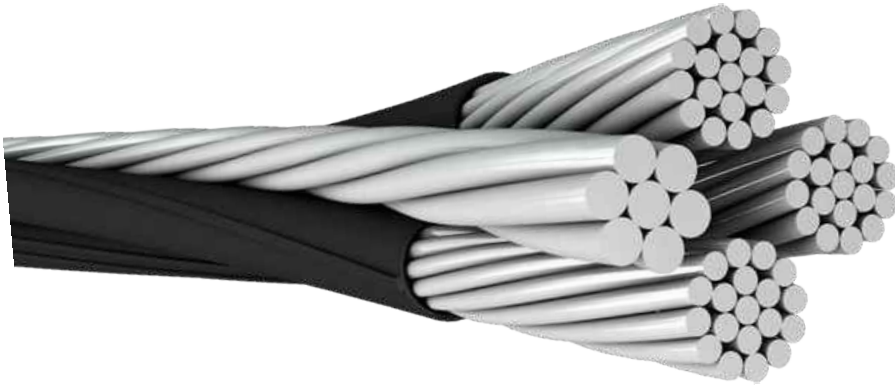
Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Triplex Service Drop

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	POLY	XLP	POLY
ACSR REDUCED NEUTRAL-MESSENGER										
Scallop	4	1	45	6	6/1	1190	--	142	115	90
Strombus	4	7	45	6	6/1	1190	151	151	115	90
Cockle	2	7	45	4	6/1	1860	228	228	150	120
Janthina	1/0	7	60	2	6/1	2853	366	366	205	160
Ranella	1/0	9	60	2	6/1	2853	360	360	205	160
Cavolinia	2/0	7	60	1	6/1	3550	453	453	235	185
Clio	2/0	11	60	1	6/1	3550	444	444	235	185
Aega	3/0	17	60	1/0	6/1	4380	549	549	275	215
Cerapus	4/0	18	60	2/0	6/1	5310	681	681	315	245
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.										

Quadruplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



APPLICATIONS

Used to supply 3-phase power, usually from a pole-mounted transformer, to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts phase-to-phase or less and at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS

Huatong™ quadruplex service drop 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.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Quadruplex service drop cable meets or exceeds all applicable requirements of ICEA S-76-474 .

CONSTRUCTION

Conductors are concentrically stranded, compressed 1350-H19 aluminum. Insulated with either polyethylene or crosslinked polyethylene (XLP). Neutral messengers are concentrically stranded 6201, AAC, or ACSR. Conductors are manufactured with ridges for phase identification (one conductor one ridge, one conductor two ridges, one conductor plain.)

Quadruplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Quadruplex Service Drop

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)++	Size++ (kcmil)	Strand- ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY
6201 ALLOY NEUTRAL-MESSENGER											
Bay	6	1	45	6	30.58	7	1110	137	137	75	60
French Coach	6	7	45	6	30.58	7	1110	146	146	75	60
German Coach	4	1	45	4	48.69	7	1760	205	205	100	80
Arabian	4	7	45	4	48.69	7	1760	217	217	100	80
Belgian	2	7	45	2	77.47	7	2800	328	328	135	105
Shetland	1/0	9	60	1/0	123.3	7	4460	519	519	180	140
Thoroughbred	2/0	11	60	2/0	155.4	7	5390	639	639	205	160
Trotter	3/0	17	60	3/0	195.7	7	6790	789	789	235	185
Walking	4/0	18	60	4/0	246.9	7	8560	977	977	275	210
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Bay/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun. ++Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.											

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+	
	Size (AWG or kcmil)	Strand- ing	Insul. Thick. (mils)	Size (AWG or kcmil)	Strand- ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY
AAC NEUTRAL-MESSENGER										
Clydesdale	4	1	45	4	7	881	198	198	100	80
Pinto	4	7	45	4	7	881	211	211	100	80
Mustang	2	7	45	2	7	1350	318	318	135	105
Criollo	1/0	9	60	1/0	7	1990	503	503	180	140
Percheron	2/0	11	60	2/0	7	2510	619	619	205	160
Hanovarian	3/0	17	60	3/0	19	3310	764	764	235	185
Oldenburg	4/0	18	60	4/0	19	4020	945	945	275	210
Lippizaner	336.4	19	80	336.4	19	6146	1519	1519	370	280
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Bay/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.										

Quadruplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.

Quadruplex Service Drop

Code* Word	Phase Conductor			Bare Neutral Messenger			Weight Per 1000 ft.(lbs.)		Allowable Ampacities+	
	Size (AWG or kcmil)	Strand- ing	Insul. Thick. (mils)	Size (AWG or kcmil)	Strand- ing	Rated Strength (lbs).	XLP	POLY	XLP	POLY
ACSR NEUTRAL-MESSENGER										
Morochuca	6	1	45	6	6/1	1190	145	145	75	60
Chola	6	7	45	6	6/1	1190	153	153	75	60
Morgan	4	1	45	4	6/1	1860	217	217	100	80
Hackney	4	7	45	4	6/1	1860	229	229	100	80
Palomino	2	7	45	2	6/1	2850	347	347	135	105
Costena	1/0	9	60	1/0	6/1	4380	549	549	180	140
Grullo	2/0	11	60	2/0	6/1	5310	677	677	205	160
Suffolk	3/0	17	60	3/0	6/1	6620	837	837	235	185
Appaloosa	4/0	18	60	4/0	6/1	8350	1038	1038	275	210
Gelding	336.4	19	80	4/0	6/1	8350	1494	1494	370	280
Bronco	336.4	19	80	336.4	18/1	8680	1568	1568	370	280
*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g. -Bay/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.										

Duplex 600V Secondary UD Cable

Aluminum Conductors. Cross-linked Polyethylene (XLP) Insulation.



APPLICATIONS

Used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

SPECIFICATIONS

Huatong™ duplex 600 volt secondary UD cable meets or exceeds the following applicable ASTM specifications:

- B-230 Aluminum 1350-19 Wire for Electrical Purposes.
- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.
- B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Duplex 600 volt secondary UD cable meets or exceeds all applicable requirements of ICEA S 105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

CONSTRUCTION

Conductors are stranded, compressed 1350-H19, H16, or H26 aluminum, insulated with vulcanized interlinked polyethylene (VIP1), Huatong's cross-linked polyethylene. Neutrals are triple yellow extruded stripe. Cables with "YES" neutrals have sequential footage markers. Conductors are durably surface printed for identification.

Duplex 600V Secondary UD Cable

Aluminum Conductors. Cross-linked Polyethylene (XLP) Insulation.

Duplex 600V Secondary UD Cable

Code word	Phase conductor			Netural			Diameters (mils)		Weight Per 1000 ft. (lbs.)	Allowable Ampacities+	
	Size (AWG)	Strand-ing	Insul. Thick. (mils)	Size (AWG)	Strand-ing	Insul. Thick. (mils)	Single Phase Cond.	Complete cable		Direct Burial	In Ducts
DUPLX WITH YELLOW EXTRUDED STRIPE NEUTRAL											
Bard	8	7	60	8	7	60	262	524	64	70	55
Claflin	6	7	60	6	7	60	298	596	89	95	70
Delgado	4	7	60	4	7	60	345	690	127	125	90
Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor. For NEC Applications, use NEC Table 310.16 Ampacities											

Triplex 600V Secondary UD Cable

Aluminum Conductors. Cross-linked Polyethylene (XLP) Insulation.



APPLICATIONS

Used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

SPECIFICATIONS

Huatong™ triplex or paralleled 600 volt secondary UD cable meets or exceeds the following applicable ASTM specifications:

- B-230 Aluminum 1350-H19 Wire for Electrical Purposes.
- B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.
- B-609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Triplex 600 volt secondary UD cable meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

CONSTRUCTION

Conductors are stranded, compressed 1350-H19, H16, or H26 aluminum, insulated with vulcanized interlinked polyethylene(VIP1), Southwire's cross-linked polyethylene. Neutrals are triple yellow extruded stripe. Cables with "YES" neutrals have sequential footage markers. Conductors are durably surface printed for identification. Two phase conductors and one neutral conductor are cabled together to produce the triplex cable configuration. Conductors are also available paralleled.

Triplex 600V Secondary UD Cable

Aluminum Conductors. Cross-linked Polyethylene (XLP) Insulation.

Triplex 600V

Code Word	Phase Conductor			Neutral			Diameter (mils)		Weight Per 1000 feet (lbs.)	Allowable Ampacities+	
	Size (AWG)	Strand- ing	Insul. Thick. (mils)	Size (AWG)	Strand- ing	Insul. Thick. (mils)	Single Phase Cond.	Complete Cable		Direct Burial	In Ducts
TRIPLEXED WITH YELLOW EXTRUDED STRIPE NEUTRAL.											
Erskine	6	7	60	6	7	60	298	644	134	95	70
Vassar	4	7	60	4	7	60	345	745	191	125	90
Stephens	2	7	60	4	7	60	403	870	249	165	120
Ramapo	2	7	60	2	7	60	403	870	278	165	120
Brenau	1/0	9	80	2	7	60	512	1106	387	215	160
Bergen	1/0	9	80	1/0	9	80	512	1106	441	215	160
Converse	2/0	11	80	1	9	80	555	1199	478	245	180
Hunter	2/0	11	80	2/0	11	80	555	1199	535	245	180
Hollins	3/0	17	80	1/0	9	80	603	1302	581	280	205
Rockland	3/0	17	80	3/0	17	80	603	1302	651	280	205
Sweetbriar	4/0	18	80	2/0	11	80	658	1421	709	315	240
Monmouth	4/0	18	80	4/0	18	80	658	1421	796	315	240
Pratt	250	26	95	3/0	17	80	732	1581	853	345	265
Wesleyan	350	37	95	4/0	18	80	831	1795	1118	415	320
Holyoke	500	37	95	300	37	95	980	2117	1545	495	395
Rider	500	37	95	350	37	95	980	2117	1598	495	395
+Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Technical data for cable with solid black neutral is identical to yellow extruded stripe data except for "YES" suffix to code word. Also available in paralleled construction. For NECApplications, use NEC Table 310.16 Ampacities.											

Quadruplex 600V Secondary UD Cable

Aluminum Conductors.

Cross-Linked Polyethylene (XLPE) Insulation.



APPLICATIONS

Used for secondary distribution and underground service at 600 volts or less, either direct burial or in ducts.

SPECIFICATIONS

Huatong™ quadruplex or paralleled 600 volt secondary UD cable meets or exceeds the following ASTM specifications:

- B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- B231 Aluminum 1350 Conductors, Concentric-Lay-Stranded
- B609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- B901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire

Quadruplex 600 volt secondary UD cable meets or exceeds all applicable requirements of ICEA S-105-692 for cross-linked polyethylene insulated conductors and UL Standard 854 for Type USE-2.

CONSTRUCTION

Conductors are stranded, compressed 1350-H16/H26 aluminum, insulated with cross-linked polyethylene. Neutrals are identified by triple yellow extruded stripe. 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.

Quadruplex 600V Secondary UD Cable

**Aluminum Conductors.
Cross-Linked Polyethylene (XLPE) Insulation.**

Quadruplex 600V

Code Word	Phase Conductors				Neutral Conductor				Complete Cable Diameter (inches)	Weight (lbs/ 1000')	Allowable Ampacities+	
	Size (AWG or kcmil)	Strand -ing	Insul. Thick. (inches)	Phase Diameter (inches)	Size (AWG)	Strand -ing	Insul. Thick. (inches)	Neutral Diameter (inches)			Direct Burial	In Ducts
Quadruplex with Yellow Extruded Stripe Neutral												
Tulsa	4	7	0.060	0.345	4	7	0.060	0.345	0.833	255	120	85
Dyke	2	7	0.060	0.403	4	7	0.060	0.345	0.973	342	155	115
Wittenberg	2	7	0.060	0.403	2	7	0.060	0.403	0.973	371	155	115
Notre Dame	1/0	9	0.080	0.512	2	7	0.060	0.403	1.236	534	200	150
Purdue	1/0	9	0.080	0.512	1/0	9	0.080	0.512	1.236	589	200	150
Syracuse	2/0	11	0.080	0.555	1	9	0.080	0.473	1.340	657	225	170
Lafayette	2/0	11	0.080	0.555	2/0	11	0.080	0.555	1.340	713	225	170
Swarthmore	3/0	17	0.080	0.603	1/0	9	0.080	0.512	1.456	798	250	195
Davidson	3/0	17	0.080	0.603	3/0	17	0.080	0.603	1.456	868	250	195
Wake Forest	4/0	18	0.080	0.658	2/0	11	0.080	0.555	1.588	971	290	225
Earlham	4/0	18	0.080	0.658	4/0	18	0.080	0.658	1.588	1062	290	225
Slippery Rock	350	30	0.095	0.831	4/0	18	0.080	0.658	2.006	1527	385	305
Wofford	500	37	0.095	0.980	350	30	0.095	0.831	2.366	2179	465	370
+ Ampacity: 90°C conductor temperature, 20°C ambient, RHO 90, 100% load factor for three conductor triplex with neutral carrying only unbalanced load. Technical data for cable with solid black neutral is identical to yellow extruded stripe data except for the “YES” suffix to code Also available in paralleled construction. For NEC Applications, use NEC Table 310.16 Ampacities.												

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.



APPLICATIONS

Used for primary and secondary overhead distribution where limited space is available or desirable for rights of way. Installed as an uninsulated conductor; however, covering is effective in preventing direct shorts and instantaneous flashovers should tree limbs or other objects contact conductors in such close proximity. The resulting close-proximity configuration minimizes the amount of space and hardware required for line installation; particularly useful in congested areas such as alleyways or tight corridors.

SPECIFICATIONS

Huatong™ 15kV – 35kV covered multi-layer tree wire meets or exceeds all applicable ICEA specifications and the following ASTM specifications:

ASTM B230
ASTM B231
ASTM B232
ASTM B398
ASTM B399
ASTM B400

CONSTRUCTION

Conductors are concentrically stranded, AAC (1350-H19), either compressed or full compact depending on conductor size, AAAC or ACSR. Available with high-density track-resistant polyethylene (HDTRPE) or Track-Resistant Crosslinked Polyethylene (XLPE) covering. Strand shield option available as shown in illustration.

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

2-Layer 15kV ACSR Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)		Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Inner Layer	Outer Layer			
4	6/1	250	75	75	550	1767	136
2	6/1	316	75	75	616	2708	184
1/0	6/1	398	75	75	698	4161	255
2/0	6/1	447	75	75	747	5045	303
3/0	6/1	502	75	75	802	6289	362
4/0	6/1	563	75	75	863	7933	432
266.8	18/1	609	75	75	909	6536	441
266.8	26/7	642	75	75	942	10735	452
336.4	18/1	684	75	75	984	8246	536
336.4	26/7	720	75	75	1020	13395	555
336.4	30/7	741	75	75	1041	16435	621
397.5	18/1	743	75	75	1043	9443	611
397.5	24/7	772	75	75	1072	13870	609
397.5	26/7	783	75	75	1083	1545	645
477	24/7	846	75	75	1146	16340	719
477	26/7	858	75	75	1158	18525	762
477	30/7	883	75	75	1183	22610	854
556.5	18/1	879	75	75	1179	13015	813
556.5	24/7	914	75	75	1214	18810	828
556.5	26/7	927	75	75	1227	21470	878
636	18/1	940	75	75	1240	14915	912
636	24/7	977	75	75	1277	20900	936
636	26/7	990	75	75	1290	23940	993
795	26/7	1108	80	75	1428	29925	1234
795	45/7	1063	80	80	1383	20995	1031

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

2-Layer 15kV ACSR Tree Wire

Size (kcmil)	Equivalent AAC(AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)		Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
				Inner Layer	Outer Layer			
48.69	4	7	250	75	75	550	1584	124
77.47	2	7	316	75	75	616	2520	165
123.3	1/0	7	398	75	75	698	4014	225
155.4	2/0	7	447	75	75	747	4851	265
195.7	3/0	7	502	75	75	802	6111	314
246.9	4/0	7	563	75	75	863	7704	376
312.8	266.8	19	642	75	75	942	9900	450
394.5	336.4	19	720	75	75	1020	11970	543
465.4	397.5	19	782	75	75	1082	14040	623
559.5	477	19	858	75	75	1158	16920	727
652.4	556.5	19	927	75	75	1227	19710	828
740.8	636	37	990	80	80	1310	21960	938

2-Layer 15kV AAC Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)		Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Inner Layer	Outer Layer			
1/0	7	336	75	75	636	1791	196
2/0	7	376	75	75	676	2259	230
3/0	7	423	75	75	723	2736	272
4/0	7	475	75	75	775	3447	325
266.8	19	537	75	75	837	4473	387
336.4	19	603	75	75	903	5535	466
397.5	19	659	75	75	959	6399	535
477	19	722	75	75	1022	7524	623
556.5	37	780	75	75	1080	8946	708
636	37	835	75	75	1135	10260	794

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

3-Layer 15kV ACSR Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer			
4	6/1	250	15	75	75	580	1767	151
2	6/1	316	15	75	75	646	2708	202
1/0	6/1	398	15	75	75	728	4161	278
2/0	6/1	447	15	75	75	777	5045	330
3/0	6/1	502	15	75	75	832	6289	393
4/0	6/1	563	15	75	75	893	7933	471
266.8	18/1	609	15	75	75	939	6536	474
266.8	26/7	642	15	75	75	972	10735	553
336.4	18/1	684	15	75	75	1014	8246	570
336.4	26/7	720	15	75	75	1050	13395	669
336.4	30/7	741	15	75	75	1071	16435	935
397.5	18/1	743	15	75	75	1073	9443	653
397.5	24/7	772	15	75	75	1102	13870	707
397.5	26/7	783	15	75	75	1113	15485	770
477	24/7	846	15	75	75	1176	16340	824
477	26/7	858	15	75	75	1188	18525	899
477	30/7	883	15	75	75	1213	22610	1274
556.5	18/1	879	20	75	75	1219	13015	874
556.5	24/7	914	20	75	75	1254	18810	949
556.5	26/7	927	20	75	75	1267	21470	1036
636	18/1	940	20	75	75	1280	14915	1200
636	26/7	990	20	75	75	1330	23940	1373

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

3-Layer 15kV AAAC Tree Wire

Size (kcmil)	Equivalent AAC(AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
				Conductor Shield	Inner Layer	Outer Layer			
48.69	4	7	250	15	75	75	580	1584	137
77.47	2	7	316	15	75	75	646	2520	179
123.3	1/0	7	398	15	75	75	728	4014	241
155.4	2/0	7	447	15	75	75	777	4851	283
195.7	3/0	7	502	15	75	75	832	6111	334
246.9	4/0	7	563	15	75	75	893	7704	397
312.8	266.8	19	642	15	75	75	972	9900	473
394.5	336.4	19	720	15	75	75	1050	11970	568
465.4	397.5	19	783	15	75	75	1113	14040	649
559.5	477	19	858	15	75	75	1188	16920	755
652.4	556.5	19	927	20	75	75	1267	19710	894
740.8	636	37	990	20	75	75	1330	21960	963

3-Layer 15kV AAC Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer			
1/0	7	336	15	75	75	666	1791	210
2/0	7	376	15	75	75	706	2259	246
3/0	7	423	15	75	75	753	2736	289
4/0	7	475	15	75	75	805	3447	343
266.8	19	537	15	75	75	867	4473	407
336.4	19	603	15	75	75	933	5535	487
397.5	19	659	15	75	75	989	6399	558
477	19	722	15	75	75	1052	7524	648
556.5	37	780	20	75	75	1120	8946	742
636	37	835	20	80	80	1195	10260	846
795	37	932	20	80	80	1292	12510	1020

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

3-Layer 25kV ACSR Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer			
1/0	6/1	398	15	125	125	928	4161	385
2/0	6/1	447	15	125	125	977	5045	443
3/0	6/1	502	15	125	125	1032	6289	513
4/0	6/1	563	15	125	125	1093	7933	600
266.8	18/1	609	15	125	125	1139	6536	608
266.8	26/7	642	15	125	125	1172	10735	692
336.4	18/1	684	15	125	125	1214	8246	714
336.4	26/7	720	15	125	125	1250	13395	818
336.4	30/7	741	15	125	125	1271	16435	1086
397.5	18/1	743	15	125	125	1273	9443	804
397.5	24/7	772	15	125	125	1302	13870	863
397.5	26/7	783	15	125	125	1313	15485	926
477	24/7	846	20	125	125	1386	16340	999
477	26/7	858	20	125	125	1398	18525	1076
477	30/7	883	20	125	125	1423	22610	1458
556.5	18/1	879	20	125	125	1419	13015	1045
556.5	24/7	914	20	125	125	1454	18810	1124
556.5	26/7	927	20	125	125	1467	21470	1213

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

3-Layer 25kV AAAC Tree Wire

Size (kcmil)	Equivalent AAC(AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
				Conductor Shield	Inner Layer	Outer Layer			
48.69	4	7	250	15	125	125	780	1584	225
77.47	2	7	316	15	125	125	846	2520	275
123.3	1/0	7	398	15	125	125	928	4014	348
155.4	2/0	7	447	15	125	125	977	4851	396
195.7	3/0	7	502	15	125	125	1032	6111	454
246.9	4/0	7	563	15	125	125	1093	7704	525
312.8	266.8	19	642	15	125	125	1172	9900	611
394.5	336.4	19	720	15	125	125	1251	11970	716
465.4	397.5	19	783	15	125	125	1313	14040	805
559.5	477	19	858	20	125	125	1398	16920	932
652.4	556.5	19	927	20	125	125	1467	19710	1044
740.8	636	37	990	20	125	125	1530	21960	1148
927.2	795	37	1108	20	125	125	1648	27450	1389

3-Layer 25kV AAC Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer			
1/0	7	336	15	125	125	866	1791	309
2/0	7	376	15	125	125	906	2259	350
3/0	7	423	15	125	125	953	2736	400
4/0	7	475	15	125	125	1005	3447	460
266.8	19	537	15	125	125	1067	4473	531
336.4	19	603	15	125	125	1133	5535	621
397.5	19	659	15	125	125	1189	6399	698
477	19	722	20	125	125	1262	7524	806
556.5	37	780	20	125	125	1320	8946	899
636	37	835	20	125	125	1375	10260	995
795	37	932	20	125	125	1472	12510	1181

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

3-Layer 35kV ACSR Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer			
1/0	6/1	398	15	175	125	1028	4161	448
2/0	6/1	447	15	175	125	1077	5045	509
4/0	6/1	563	15	175	125	1193	7933	673
266.8	18/1	609	15	175	125	1239	6536	684
266.8	26/7	642	15	175	125	1272	10735	770
336.4	18/1	684	15	175	125	1314	8246	794
336.4	26/7	720	15	175	125	1350	13395	901
336.4	30/7	741	15	175	125	1371	16435	1170
397.5	18/1	743	15	175	125	1373	9443	889
397.5	24/7	772	15	175	125	1402	13870	949
397.5	26/7	783	15	175	125	1413	15485	1013
477	24/7	846	20	175	125	1486	16340	1091
477	26/7	858	20	175	125	1498	18525	1168
477	30/7	883	20	175	125	1523	22610	1552
556.5	18/1	879	20	175	125	1519	13015	1138
556.5	24/7	914	20	175	125	1554	18810	1220
556.5	26/7	927	20	175	125	1567	21470	1309
636	18/1	940	20	175	125	1580	14915	1637
636	26/7	990	20	175	125	1630	23940	1826
795	26/7	1107	20	175	125	1747	29925	2146
795	45/7	1063	20	175	125	1703	20995	1892

15kV-25kV-35kV Multi-layer Tree Wire

Aluminum Conductors. Track-Resistant HD Polyethylene or Track-Resistant Crosslinked Polyethylene Covering.

3-Layer 35kV AAAC Tree Wire

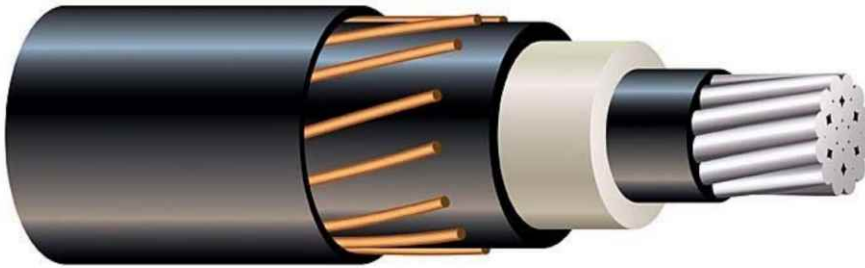
Size (kcmil)	Equivalent AAC(AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
				Conductor Shield	Inner Layer	Outer Layer			
48.69	4	7	250	15	175	125	880	1584	278
77.47	2	7	316	15	175	125	946	2520	333
123.3	1/0	7	398	15	175	125	1028	4014	411
155.4	2/0	7	447	15	175	125	1077	4851	462
195.7	3/0	7	502	15	175	125	1132	6111	523
246.9	4/0	7	563	15	175	125	1193	7704	598
312.8	266.8	19	642	15	175	125	1272	9900	689
394.5	336.4	19	720	15	175	125	1351	11970	799
465.4	397.5	19	783	15	175	125	1412	14040	892
559.5	477	19	858	20	175	125	1498	16920	1024
652.4	556.5	19	927	20	175	125	1567	19710	1141

3-Layer 35kV AAC Tree Wire

Size (AWG or kcmil)	Stranding	Conductor Diameter (mils)	Covering Thickness (mils)			Cable O.D. (mils)	Rated Strength (lbs)	Weight per 1000 ft. (lbs)
			Conductor Shield	Inner Layer	Outer Layer			
1/0	7	336	15	175	125	966	1791	368
2/0	7	376	15	175	125	1006	2259	411
3/0	7	423	15	175	125	1053	2736	464
4/0	7	475	15	175	125	1105	3447	527
266.8	19	537	15	175	125	1167	4473	603
336.4	19	603	15	175	125	1233	5535	696
397.5	19	659	15	175	125	1289	6399	777
477	19	722	20	175	125	1362	7524	889
556.5	37	780	20	175	125	1420	8946	987
636	37	835	20	175	125	1475	10260	1085
795	37	932	20	175	125	1572	12510	1278

15kV Primary Cable UD Jacketed

**Aluminum or Copper Conductor. TRXLPE Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.**



APPLICATIONS

Predominantly used for primary underground distribution in conduit systems; suitable for use in wet or dry locations, direct burial, underground duct, and where exposed to sunlight. To be used at 15,000 volts or less and at conductor temperatures not to exceed 90°C for normal operation.

SPECIFICATIONS

Huatong™ 15kV HI-DRI Primary UD TRXLPE Cable meets or exceeds the following ASTM specifications:

- B3 Soft Annealed Copper Wire
- B8 Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
- B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- B231 Aluminum 1350 Conductors, Concentric-Lay-Stranded
- B609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes

Huatong™ 15kV HI-DRI Primary UD TRXLPE Cable is manufactured to the latest edition of the following specifications, and in case of specification conflicts, in the order listed:

- ANSI/ICEA S-94-649
- AEIC CS-8
- UL1072, When Specified
- RUS U-1

CONSTRUCTION

The cable is composed of a solid or moisture blocked reverse lay, compressed stranded soft drawn copper, or a solid or moisture blocked reverse lay or unilay compressed stranded 1350-H16/26 aluminum phase conductor, covered by a semi-conducting cross-linked polyethylene strand shield, a tree-retardant cross-linked polyethylene primary insulation, and a semi-conducting cross-linked polyethylene insulation shield. Conductors are available with either 100% or 133% insulation levels. A concentric neutral of bare copper wires and a sunlight resistant, -40°C rated, insulating linear low density polyethylene jacket are applied over the insulation shield. The cable is identified by surface print on the jacket and with the lightning bolt symbol for supply cables indented in the jacket. Red extruded stripes available upon request. A semi-conducting polyethylene jacket is also available upon request.

15kV Primary Cable UD Jacketed

**Aluminum or Copper Conductor. TRXLP Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.**

15kV Primary UD TRXLP

Phase Conductor		Neutral		Thickness Per Cond. (mils)			Diameter (mils)				Weight 1000 feet (lbs.)	Allowable Ampacities+	
Size (AWG or kcmil)	Strand- ing	NO.of Wires	Size (AWG)	Nominal Insul.	Insul. Shield min. Point	Approx. Jkt.	Bare Phase Cond.	Over Insul.	Over Insul. Shield	Comp. Cable	Comp. Cable	Direct Burial	In Ducts
ALUMINUM CONDUCTOR - 100% INSULATION LEVEL													
2	Solid	10	14	175	30	50	258	653	733	961	453	168*	119*
2	7	10	14	175	30	50	283	678	758	986	470	168*	119*
1	Solid	13	14	175	30	50	289	685	765	993	520	193*	137*
1	19	13	14	175	30	50	322	718	798	1026	539	193*	137*
1/0	Solid	16	14	175	30	50	325	720	800	1028	591	218*	155*
1/0	19	16	14	175	30	50	352	748	828	1056	609	218*	155*
2/0	19	20	14	175	30	50	395	790	870	1098	703	248*	177*
3/0	19	25	14	175	30	50	443	838	918	1146	817	284*	201*
4/0	19	20	12	175	30	50	498	893	973	1234	993	324*	230*
250	37	16	10	175	30	50	558	963	1043	1346	1213	360*	257*
350	37	18	14	175	40	50	661	1068	1168	1396	1055	389**	319**
500	37	25	14	175	40	50	789	1193	1293	1521	1349	468**	384**
750	61	24	12	175	40	80	968	1383	1483	1798	1946	569**	468**
1000	61	20	10	175	40	80	1117	1530	1630	1988	2473	642**	542**
1250	91	25	10	220	55	80	1250	1765	1895	2253	3142	688**	604**
1500	91	30	10	220	55	80	1370	1885	2015	2373	3616	726**	637**
COPPER CONDUCTOR - 100% INSULATION LEVEL													
2	Solid	16	14	175	30	50	258	653	733	961	664	210*	150*
2	7	16	14	175	30	50	283	678	758	986	684	210*	150*
1	Solid	20	14	175	30	50	289	685	765	993	780	240*	171*
1	19	20	14	175	30	50	322	718	798	1026	803	240*	171*
1/0	Solid	25	14	175	30	50	325	720	800	1028	922	273*	194*
1/0	19	25	14	175	30	50	362	758	838	1066	951	273*	194*
2/0	19	20	12	175	30	50	405	800	880	1142	1161	313*	224*
3/0	19	25	12	175	30	50	456	853	933	1194	1390	358*	255*
4/0	19	20	10	175	30	50	512	908	988	1291	1717	410*	293*
250	37	24	10	175	30	50	558	963	1043	1346	1992	446*	322*
350	37	18	12	175	40	50	661	1068	1168	1429	1964	489**	400**
500	37	26	12	175	40	50	789	1193	1293	1554	2651	577**	472**
750	61	25	10	175	40	80	968	1383	1483	1840	3906	649**	532**
1000	61	26	9	175	40	80	1117	1530	1630	2013	5041	720**	630**
1250	91	26	8	175	55	80	1250	1765	1895	2306	6400	760**	667**
+ Ampacities shown assume use of 100% load factor, 60 Hz current, 36" burial depth, 20°C ambient temperature, 90° R36Cconductor temperature, earth RHO 90, insulation and shield RHO 400 * Full neutral construction (Ampacities assume - single phase circuit, one cable) ** 1/3 neutral cable (Ampacities assume - three phase circuit, 3 cables triplexed, multi-point grounding per ICEA methods)													

15kV Primary Cable UD Jacketed

**Aluminum or Copper Conductor. TRXLP Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.**

15kV Primary UD TRXLP

Phase Conductor		Neutral		Thickness Per Cond. (mils)			Diameter (mils)				Weight 1000 feet (lbs.)	Allowable Ampacities+	
Size (AWG or kcmil)	Strand- ing	NO.of Wires	Size (AWG)	Nominal Insul.	Insul. Shield min. Point	Approx. Jkt.	Bare Phase Cond.	Over Insul.	Over Insul. Shield	Comp. Cable	Comp. Cable	Direct Burial	In Ducts
ALUMINUM CONDUCTOR - 0.220" INSULATION - 133% INSULATION LEVEL													
2	Solid	10	14	220	30	50	258	745	825	1053	511	168*	119*
2	7	10	14	220	30	50	283	770	850	1078	530	168*	119*
1	Solid	13	14	220	30	50	289	778	858	1086	580	193*	137*
1	19	13	14	220	30	50	322	810	890	1118	602	193*	137*
1/0	Solid	16	14	220	30	50	325	813	893	1121	654	218*	155*
1/0	19	16	14	220	30	50	352	840	920	1148	673	218*	155*
2/0	19	20	14	220	30	50	395	883	963	1191	769	248*	177*
3/0	19	25	14	220	30	50	443	930	1010	1238	886	284*	201*
4/0	19	20	12	220	30	50	498	985	1065	1327	1067	324*	230*
250	37	16	10	220	40	50	558	1055	1155	1459	1316	360*	257*
350	37	18	14	220	40	50	661	1158	1258	1486	1137	389**	319**
500	37	25	14	220	40	50	789	1285	1385	1613	1439	468**	384**
750	61	24	12	220	40	80	968	1475	1575	1891	2053	569**	468**
1000	61	20	10	220	55	80	1117	1623	1753	2110	2639	642**	542**
1250	91	25	10	220	55	80	1250	1765	1895	2253	3142	688**	604**
1500	91	30	10	220	55	80	1370	1885	2015	2373	3615	726**	637**
COPPER CONDUCTOR - 0.220" INSULATION - 133% INSULATION LEVEL													
2	Solid	16	14	220	30	50	258	745	825	1053	723	210*	150*
2	7	16	14	220	30	50	283	770	850	1078	744	210*	150*
1	Solid	20	14	220	30	50	289	778	858	1086	840	240*	171*
1	19	20	14	220	30	50	322	810	890	1118	865	240*	171*
1/0	Solid	25	14	220	30	50	325	813	893	1121	984	273*	194*
1/0	19	25	14	220	30	50	362	850	930	1158	1015	273*	194*
2/0	19	20	12	220	30	50	405	893	973	1234	1230	313*	224*
3/0	19	25	12	220	30	50	456	943	1023	1284	1460	358*	255*
4/0	19	20	10	220	30	50	512	1000	1080	1384	1795	410*	293*
250	37	24	10	220	40	50	558	1055	1155	1459	2095	446*	322*
350	37	18	12	220	40	50	661	1158	1258	1519	2048	489**	400**
500	37	26	12	220	40	50	789	1285	1385	1647	2744	577**	472**
750	61	25	10	220	40	80	968	1475	1575	1933	4016	649**	532**
1000	61	26	9	220	55	80	1117	1623	1753	2135	5209	720**	630**
1250	91	26	8	220	55	80	1250	1765	1895	2306	6400	760**	667**

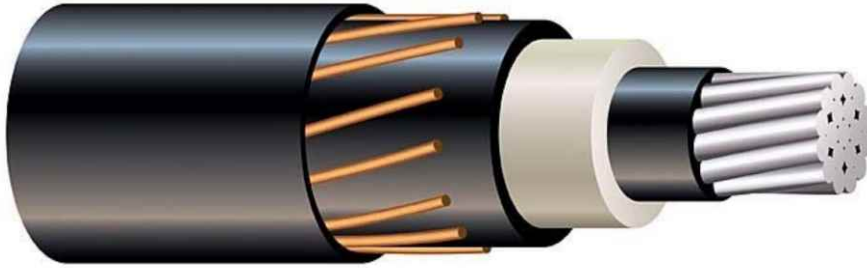
+ Ampacities shown assume use of 100% load factor, 60 Hz current, 36" burial depth, 20°C ambient temperature, 90°C conductor temperature, earth RHO 90, insulation and shield RHO 400

* Full neutral construction (Ampacities assume - single phase circuit, one cable)

** 1/3 neutral cable (Ampacities assume - three phase circuit, 3 cables triplexed, multi-point grounding per ICEA methods)

25kV Primary Cable UD Jacketed

**Aluminum or Copper Conductor. TRXLPE Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.**



APPLICATIONS

Predominantly used for primary underground distribution in conduit systems; suitable for use in wet or dry locations, direct burial, underground duct, and where exposed to sunlight. To be used at 25,000 volts or less and at conductor temperatures not to exceed 90°C for normal operation.

SPECIFICATIONS

Huatong™ 25kV HI-DRI Primary UD TRXLPE Cable meets or exceeds the following ASTM specifications:

- B3 Soft Annealed Copper Wire
- B8 Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
- B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- B231 Aluminum 1350 Conductors, Concentric-Lay-Stranded
- B609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes

Huatong™ 25kV HI-DRI Primary UD TRXLPE Cable is manufactured to the latest edition of the following specifications, and in case of specification conflicts, in the order listed:

- ANSI/ICEA S-94-649
- AEIC CS-8
- UL1072, When Specified
- RUS U-1

CONSTRUCTION

The cable is composed of a solid or moisture blocked reverse lay, compressed stranded soft drawn copper, or a solid or moisture blocked reverse lay or unilay compressed stranded 1350-H16/26 aluminum phase conductor, covered by a semi-conducting cross-linked polyethylene strand shield, a tree-retardant cross-linked polyethylene primary insulation, and a semi-conducting cross-linked polyethylene insulation shield. Conductors are available with either 100% or 133% insulation levels. A concentric neutral of bare copper wires and a sunlight resistant, -40°C rated, insulating linear low density polyethylene jacket are applied over the insulation shield. The cable is identified by surface print on the jacket and with the lightning bolt symbol for supply cables indented in the jacket. Red extruded stripes available upon request. A semi-conducting polyethylene jacket is also available upon request.

25kV Primary Cable UD Jacketed

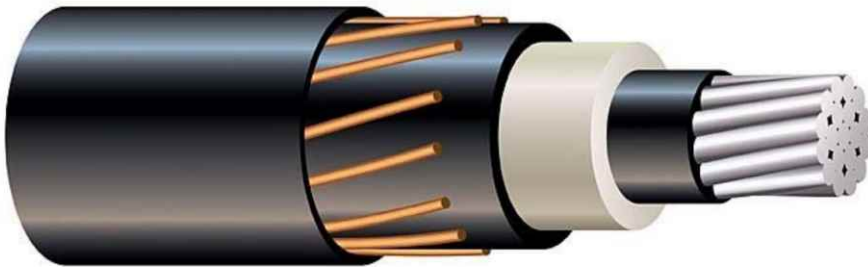
**Aluminum or Copper Conductor. TRXLP Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.**

25kV Primary UD TRXLP

Phase Conductor		Neutral		Thickness Per Cond. (mils)			Diameter (mils)				weight 1000feet (lbs.)	Allowable Ampacities+	
Size (AWG or kcmil)	Strand- ing	NO.of Wires	Size (AWG)	Nominal Insul.	Insul Shield min. Point	Approx Jkt.	Bare Phase Cond.	Over Insul.	Over Insul. Shield	Comp. Cable	Comp. Cable	Direct Burial	In Ducts
ALUMINUM CONDUCTOR-0.260"INSULATION-100% INSULATION LEVEL													
1	Solid	13	14	260	30	50	289	850	930	1158	631	189*	134*
1	19	13	14	260	30	50	322	880	960	1188	653	189*	134*
1/0	Solid	16	14	260	30	50	325	885	965	1193	706	214*	152*
1/0	19	16	14	260	30	50	352	910	990	1218	725	214*	152*
2/0	19	20	14	260	30	50	395	955	1035	1263	825	243*	173*
3/0	19	25	14	260	30	50	443	1003	1083	1311	944	278*	197*
4/0	19	20	12	260	40	50	498	1058	1158	1419	1150	318*	225*
250	37	16	10	260	40	50	558	1128	1228	1531	1384	353*	252*
350	37	18	14	260	40	50	661	1230	1330	1558	1206	387**	320**
500	37	25	14	260	40	80	789	1358	1458	1740	1573	466**	386**
750	61	24	12	260	40	80	968	1548	1648	1963	2140	567**	475**
1000	61	20	10	260	55	80	1117	1693	1823	2180	2734	648**	542**
1250	61	25	10	260	55	80	1250	1838	1968	2325	3247	689**	606**
1500	91	30	10	260	55	80	1370	1958	2088	2445	3725	729**	641**
COPPER CONDUCTOR-0.260"INSULATION-100% INSULATION LEVEL													
1	Solid	20	14	260	30	50	289	850	930	1158	891	235*	168*
1	19	20	14	260	30	50	322	880	960	1188	916	235*	168*
1/0	Solid	25	14	260	30	50	325	885	965	1193	1037	268*	190*
1/0	19	25	14	260	30	50	362	920	1000	1228	1068	268*	190*
2/0	19	20	12	260	30	50	405	965	1045	1307	1287	307*	220*
3/0	19	25	12	260	30	50	456	1015	1095	1357	1520	351*	250*
4/0	19	20	10	260	40	50	512	1070	1170	1474	1880	402*	287*
250	37	24	10	260	40	50	558	1128	1228	1531	2163	445*	317*
350	37	18	12	260	40	50	661	1230	1330	1592	2119	487**	403**
500	37	26	12	260	40	80	789	1358	1458	1773	2880	575**	475**
750	61	25	10	260	40	80	968	1548	1648	2005	4105	650**	562**
1000	61	26	9	260	55	80	1117	1693	1823	2205	5306	727**	639**
1250	91	26	8	260	55	80	1250	1838	1968	2378	6507	765**	672**
+ Ampacities shown assume use of 100% load factor, 60Hz current, 36" burial depth, 20°C ambient temperature, 90°C conductor temperature, earth RHO 90, insulation and shield RHO 400 * Full neutral construction (Ampacities assume-single phase circuit, one cable) ** 1/3 neutral cable (Ampacities assume-three phase circuit, 3 cables triplexed, multi-point grounding per ICEA methods)													

35kV Primary Cable UD Jacketed

**Aluminum or Copper Conductor. TRXLP Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.**



APPLICATIONS

Predominantly used for primary underground distribution in conduit systems; suitable for use in wet or dry locations, direct burial, underground duct, and where exposed to sunlight. To be used at 35,000 volts or less and at conductor temperatures not to exceed 90°C for normal operation.

SPECIFICATIONS

Huatong™ 35kV HI-DRI Primary UD TRXLP Cable meets or exceeds the following ASTM specifications:

- B3 Soft Annealed Copper Wire
- B8 Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
- B230 Aluminum, 1350-H19 Wire for Electrical Purposes
- B231 Aluminum 1350 Conductors, Concentric-Lay-Stranded
- B609 Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes

Huatong™ 35kV HI-DRI Primary UD TRXLP Cable is manufactured to the latest edition of the following specifications, and in case of specification conflicts, in the order listed:

- ANSI/ICEA S-94-649
- AEIC CS-8
- UL1072, When Specified
- RUS U-1

CONSTRUCTION

The cable is composed of a solid or moisture blocked reverse lay, compressed stranded soft drawn copper, or a solid or moisture blocked reverse lay or unilay compressed stranded 1350-H16/26 aluminum phase conductor, covered by a semi-conducting cross-linked polyethylene strand shield, a tree-retardant cross-linked polyethylene primary insulation, and a semi-conducting cross-linked polyethylene insulation shield. Conductors are available with either 100% or 133% insulation levels. A concentric neutral of bare copper wires and a sunlight resistant, -40°C rated, insulating linear low density polyethylene jacket are applied over the insulation shield. The cable is identified by surface print on the jacket and with the lightning bolt symbol for supply cables indented in the jacket. Red extruded stripes available upon request. A semi-conducting polyethylene jacket is also available upon request.

35kV Primary Cable UD Jacketed

Aluminum or Copper Conductor. TRXLP Insulation.
Bare Copper Concentric Neutrals.
Low Density Polyethylene Jacket.

35kV Primary UD TRXLP

Phase Conductor		Neutral		Thickness Per Cond (mils)			Diameter mils				Weight 1000feet (lbs.)	Allowable Ampacities+	
Size (AWG or kcmil)	Stranding	No. of Wires	Size (AWG)	Nominal Insul.	Insul Shield min. Point	Approx Jkt.	Bare Phase Cond.	Over Insul.	Over Insul. Shield	Comp. Cable	Comp. Cable	Direct Burial	In Ducts
ALUMINUM CONDUCTOR-0.345"INSULATION-100% INSULATION LEVEL													
1/0	Solid	16	14	345	40	50	325	1060	1160	1388	867	209*	149*
1/0	19	16	14	345	40	50	352	1085	1185	1413	889	209*	149*
2/0	19	20	14	345	40	50	395	1130	1230	1458	995	237*	171*
3/0	19	25	14	345	40	50	443	1175	1275	1503	1118	270*	187*
4/0	19	20	12	345	40	50	498	1230	1330	1592	1314	308*	220*
250	37	16	10	345	40	80	558	1300	1400	1758	1619	341*	242*
350	37	18	14	345	40	80	661	1405	1505	1787	1447	384**	323**
500	37	25	14	345	40	80	789	1530	1630	1912	1771	463**	389**
750	61	24	12	345	55	80	968	1720	1850	2166	2412	565**	483**
1000	61	20	10	345	55	80	1117	1868	1998	2355	2983	645**	550**
1250	91	25	10	345	55	80	1250	2013	2143	2500	3512	692**	609**
1500	91	30	10	345	55	80	1370	2133	2263	2620	4240	731**	644**
COPPER CONDUCTOR-0.345"INSULATION-100% INSULATION LEVEL													
1/0	Solid	25	14	345	40	50	325	1060	1160	1388	1198	262*	186*
1/0	19	25	14	345	40	50	362	1095	1195	1423	1234	262*	186*
2/0	19	20	12	345	40	50	405	1140	1240	1502	1463	300*	215*
3/0	19	25	12	345	40	50	456	1190	1290	1552	1702	340*	238*
4/0	19	20	10	345	40	50	512	1245	1345	1649	2052	389*	276*
250	37	24	10	345	40	80	558	1300	1400	1758	2399	430*	305*
350	37	18	12	345	40	80	661	1405	1505	1821	2365	485**	406**
500	37	26	12	345	40	80	789	1530	1630	1946	3082	573**	480**
750	61	25	10	345	55	80	968	1720	1850	2208	4382	675**	574**
1000	61	26	9	345	55	80	1117	1868	1998	2380	5558	729**	642**
1250	91	26	8	345	55	80	1250	2013	2143	2553	6778	769**	677**
+ Ampacities shown assume use of 100% load factor 60 Hz current, 36" burial depth, 20°C ambient temperature 90°C conductor temperature earth RHO 90, insulation and shield RHO 400													
* Full neutral construction (Ampacities assume single phase circuit, one cable)													
** 1/3 neutral cable (Ampacities assume three phase circuit 3 cables triplexed, multi-point grounding per ICEA methods)													

