Description

A triplex conductor URD cable consists of three parallel metallic conductors, typically made of aluminum or copper. These conductors run side by side throughout the length of the cable. Each conductor serves as a pathway for transmitting electrical power in the distribution system. Surrounding the conductors is a layer of insulation, providing electrical insulation and protection from environmental factors. Additionally, some cables may feature an outer jacket for added mechanical protection and resistance to moisture and abrasion.

Application

Triplex conductor URD cables are commonly used in applications where three separate electrical pathways are required. These include:
Multiple Service Lines: Providing three separate power lines from distribution transformers to individual residential or commercial buildings, allowing for distinct power circuits.
Secondary Distribution Lines: Connecting secondary distribution transformers to primary distribution lines while maintaining separate circuits for different loads or customers.
Temporary Installations: Utilized as temporary power lines during construction projects or emergency situations, where three separate circuits are needed.

Construction

Conductors: Typically made of aluminum or copper, the conductors are arranged in parallel, providing three separate pathways for electrical transmission.
Insulation: Each conductor is insulated with a layer of thermoset or thermoplastic material, such as cross-linked polyethylene (XLPE) or polyethylene (PE), to prevent electrical leakage and protect against environmental hazards.
Jacket (Optional): Some cables may feature an outer jacket, typically made of polyethylene (PE) or polyvinyl chloride (PVC), to provide additional mechanical protection and resistance to moisture and chemicals.

Specification

Secondary type URD duplex conductor 600V cable meets or exceeds the following ASTM specifications.
-ASTM B-230-Aluminum Wire, 1350-H19 for Electrical Purposes.
-ASTM B-231-Aluminum 1350 Conductors, Concentric-lay-stranded.
-ASTM B-786-19 Wire Combination Unilay-stranded Aluminum Conductors for Subsequent Insulation.
-ASTM B-901-Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction.
-Secondary type URD single conductor 600V cable meets or exceeds all applicable requirements of ICEA S-105-692.
- "USE-2" per UL 854 available upon request.

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

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Technical Parameters

Code Name	Phase Conductor			Neutral			Outside Dia.		Weight per 1000ft	Ampacity	
	Size	Stranding	Insul. Thick.	Size	Stranding	Insul. Thick.	Single Strand	Overall Conductor		Direct Burial	in Duct
-	AWG	No.	mils	AWG	-	mils	mils	inch	lb	A	A
Erskine	6	7	60	6	7	60	0.299	0.646	143	95	70
Vassar	4	7	60	4	7	60	0.345	0.754	203	125	90
Stephens	2	7	60	4	7	60	0.403	0.842	264	165	120
Ramapo	2	7	60	2	7	60	0.403	0.874	294	165	120
Brenau	1/0	19	60	2	7	60	0.522	1.064	408	215	160
Bergen	1/0	19	80	1/0	19	80	0.522	1.133	465	215	160
Converse	2/0	19	80	1	19	80	0.566	1.174	502	245	160
Hunter	2/0	19	80	2/0	19	80	0.566	1.228	560	245	180
Hollins	3/0	19	80	1/0	19	80	0.616	1.276	606	280	205
Rockland	3/0	19	80	3/0	19	80	0.616	1.336	678	280	205
Sweetbriar	4/0	19	80	2/0	19	80	0.672	1.389	739	315	240
Monmouth	4/0	19	80	4/0	19	80	0.672	1.457	828	315	240
Pratt	250	37	95	3/0	19	80	0.748	1.538	893	345	265
Wesleyan	350	37	95	4/0	19	80	0.851	1.736	1166	415	320
Holyoke	500	37	95	300	37	95	0.979	2.008	1607	495	395
Rider	500	37	95	350	37	95	0.979	2.035	1663	495	395
Fairfield	750	61	110	500	37	95	1.188	2.086	2304	615	525