



• Description

A quadruplex conductor URD cable consists of four 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

Quadruplex conductor URD cables are commonly used in applications where four separate electrical pathways are required. These include:

Multiple Service Lines: Providing four 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 four separate circuits are needed.

• Construction

Conductors: Typically made of aluminum or copper, the conductors are arranged in parallel, providing four 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 quadruplex 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 quadruplex 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.

● 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
Tulsa	4	7	60	4	4	60	0.345	0.833	258	119	85
Dyke	2	7	60	4	4	60	0.403	0.938	346	153	115
Wittenberg	2	7	60	2	2	60	0.403	0.973	375	153	115
Noter Dame	1/0	19	80	2	2	60	0.522	1.188	541	198	150
Purdue	1/0	19	80	1/0	1/0	80	0.522	1.260	596	198	150
Syracuse	2/0	19	80	1	1	80	0.566	1.316	664	225	170
Lafayette	2/0	19	80	2/0	2/0	80	0.566	1.367	720	225	170
Swarthmore	3/0	19	80	1/0	1/0	80	0.616	1.430	805	250	195
Davidson	3/0	19	80	3/0	3/0	80	0.616	1.487	874	250	195
Wake Forest	4/0	19	80	2/0	2/0	80	0.672	1.560	979	290	225
Earlham	4/0	19	80	4/0	4/0	80	0.672	1.623	1066	290	225
Slippery Rock	350	37	95	4/0	4/0	80	0.851	1.945	1544	385	305
Wofford	500	37	95	350	350	95	0.851	2.348	2174	467	420
Windham	750	61	110	500	500	95	0.979	2.850	2542	615	492
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