



• Description

A single conductor URD cable consists of a single metallic conductor, typically made of either copper or aluminum. This conductor serves as the primary pathway for transmitting electrical power in the distribution system. Surrounding the conductor 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

Single conductor URD cables are commonly used in applications where a single electrical pathway is required. These include:

Individual Service Lines: Providing dedicated power lines from distribution transformers to individual residential or commercial buildings.

Secondary Distribution Lines: Connecting secondary distribution transformers to primary distribution lines.

Temporary Installations: Utilized as temporary power lines during construction projects or emergency situations.

• Construction

Conductor: Typically made of aluminum or copper, the conductor is selected based on factors such as conductivity, weight, and cost.

Insulation: The 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 single 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 Rheinland 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	Size	Stranding Wires	Nominal Thickness	Outside Dia.	Weight per 1000ft	Ampacity	
						Direct Burial	in Duct
-	AWG or MCM	No.	mils	inch	lb	A	A
Princeton	6	7	60	0.298	45	90	65
Mercer	4	7	60	0.345	64	120	85
Clemson	2	7	60	0.403	93	155	115
kenyon	1	19	80	0.522	148	200	150
Harvard	1/0	19	80	0.482	122	175	130
Yale	2/0	19	80	0.566	179	225	170
Tufts	3/0	19	80	0.616	217	250	195
Beloit	4/0	19	80	0.672	265	290	225
Hofstra	250	37	95	0.748	317	320	250
Gonzaga	300	37	95	0.801	371	355	280
Rutgers	350	37	95	0.851	423	385	305
Emory	500	37	95	0.979	579	465	370
Duke	600	61	110	1.086	701	510	410
Fuman	700	61	110	1.155	804	550	440
Sewanee	750	61	110	1.188	855	580	470
Fordham	1000	61	110	1.337	1109	670	545