

# Aluminum Conductor 15KV 100% URD – 1/3 Neutral



## APPLICATION:

Aluminum Conductor 15KV URD cable is primary used for underground distribution, in direct burial or installed in conduit. 15KV URD cable is suitable for use in wet or dry locations. URD cable is to be used at 15,000 volts or less and not to exceed 90°C temperature in normal use.

## CONDUCTORS:

- Solid or compressed concentric stranded 1350 series aluminum conductor per ASTM. The stranded conductors are water-blocked with conductor filling compound

## CONDUCTOR SHIELD:

- Extruded thermoset semiconducting shield, which is free strapping from the conductor and bonded to the insulation

## INSULATION:

- Naturally high dielectric strength TR-XLPE insulation. Covered by extruded thermoset semiconducting insulation shield. Optional EPR insulation is available upon request

## METALLIC SHIELD:

- Concentric neutral consisting of solid bare copper wires helically applied and uniformly spaced over the insulation shield

## JACKET:

- Black jacket of linear low density polyethylene (LLDPE), which is sunlight, abrasion and heat resistant. The jacket has 3 red stripes, the NESC lightning bolt and sequential footage markings

## STANDARDS:

- ASTM B230, B231, B609
- ANSI/ICEA S-94-649
- AEIC CS-8
- RUS ACCEPTED
- For 90°C continuous, 130°C emergency and 250°C short-circuit operation

Part Number	Conductor Size	Insulation Thickness	Concentric Neutral	Conductor Diameter	Insulation Diameter	Insulation Shield Diameter	Overall Jacket Diameter	Net Weight
	AWG/kcm	mils	No. x AWG	inches	inches	inches	inches	lbs/kft
2-0115KSO175MALJ	2 SOL	175	6-# 14	0.258	0.65	0.72	0.96	409
2-0115KV175MALJT	2 STR	175	6-# 14	0.284	0.68	0.75	0.99	427
1-0115KSO175MALJ	1 SOL	175	6-# 14	0.289	0.69	0.75	0.99	439
1-0115KV175MALJT	1 STR	175	6-# 14	0.324	0.72	0.79	1.03	459
1/0-0115KSO175MALJ	1/0 SOL	175	6-# 14	0.325	0.72	0.79	1.03	475
1/0-0115KV175MALJT	1/0 STR	175	6-# 14	0.364	0.76	0.83	1.07	499
2/0-0115KV175MALJT	2/0 STR	175	7-# 14	0.408	0.80	0.87	1.11	558
3/0-0115KV175MALJT	3/0 STR	175	9-# 14	0.458	0.85	0.92	1.16	638
4/0-0115KV175MALJT	4/0 STR	175	11-# 14	0.515	0.91	0.98	1.22	730
250-0115KV175MALJT	250 STR	175	13-# 14	0.561	0.97	1.03	1.27	821
350-0115KV175MALJT	350 STR	175	18-# 14	0.664	1.07	1.16	1.39	1,048
500-0115KV175MALJT	500 STR	175	16-# 12	0.794	1.20	1.29	1.56	1,378
750-0115KV175MALJT	750 STR	175	24-# 12	0.974	1.39	1.47	1.81	1,938
1000-0115KV175MALJT	1000 STR	175	20-# 10	1.124	1.54	1.65	2.03	2,507

All values are nominal and subject to correction.