

Aluminum Conductor 15KV 133% 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 stripping 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	Ampacity (Amps)	
	AWG/kcm	mils	No. x AWG	inches	inches	inches	inches	lbs/kft	90°C In Duct	90°C Direct Buried
2-0115KS0220MALJ	2 SOL	220	6-# 14	0.258	0.74	0.81	1.05	466	126	175
2-0115KV220MALJT	2 STR	220	6-# 14	0.284	0.77	0.84	1.08	486	126	175
1-0115KS0220MALJ	1 SOL	220	6-# 14	0.289	0.78	0.84	1.08	498	143	199
1-0115KV220MALJT	1 STR	220	6-# 14	0.324	0.81	0.88	1.12	521	144	199
1/0-0115KS0XL2201/3A	1/0 SOL	220	6-# 14	0.325	0.81	0.88	1.12	537	163	225
1/0-0115KV220MALJT	1/0 STR	220	6-# 14	0.364	0.85	0.92	1.16	563	163	225
2/0-0115KV220MALJT	2/0 STR	220	7-# 14	0.408	0.89	0.96	1.20	624	186	255
3/0-0115KV220MALJT	3/0 STR	220	9-# 14	0.458	0.94	1.01	1.25	707	212	286
4/0-0115KV220MALJT	4/0 STR	220	11-# 14	0.515	1.00	1.07	1.31	803	241	320
250-0115KV220MALJT	250 STR	220	13-# 14	0.561	1.06	1.14	1.38	917	265	345
350-0115KV220MALJT	350 STR	220	18-# 14	0.664	1.16	1.25	1.48	1,130	319	398
500-0115KV220MALJT	500 STR	220	16-# 12	0.794	1.29	1.38	1.71	1,534	385	451
750-0115KVALTRXLP	750 STR	220	24-# 12	0.974	1.48	1.56	1.90	2,043	468	507
1000-0115KV220MALJT	1000 STR	220	20-# 10	1.124	1.63	1.74	2.12	2,626	529	549

All values are nominal and subject to correction.