Aluminum Conductor 35KV 133% URD – Full Neutral

APPLICATION:

Aluminum Conductor 35KV URD cable is primary used for underground distribution, in direct burial or installed in conduit. 35KV URD cable is suitable for use in wet or dry locations. URD cable is to be used at 35,000 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 lows 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
1/0-0135KVX420MALJT	1/0 SOL	420	16-# 14	0.325	1.22	1.31	1.55	1,020
1/0-0135KVX420MALJT	1/0 STR	420	16-# 14	0.364	1.26	1.35	1.58	1,056
2/0-0135KVX420MALJT	2/0 ST	420	13-# 12	0.408	1.30	1.39	1.72	1,272
3/0-0135KVX420MALJT	3/0 STR	420	16-# 12	0.458	1.35	1.44	1.77	1,404
4/0-0135KVX420MALJT	4/0 SOL	420	13-# 10	0.515	1.41	1.50	1.87	1,631
250-0135KVX420MALJT	250 STR	420	16-# 10	0.561	1.46	1.55	1.93	1,819
350-0135KVX420MALJT	350 STR	420	16-# 9	0.664	1.57	1.68	2.08	2,213

All values are nominal and subject to correction.

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