POWER KABEL INC.

URD 8KV TR-XLP/LLDPE @ 100% ALUMINUM 1/3 NEUTRAL

APPLICATIONS & FEATURES

Underground primary residential and commercial distribution circuits. May be used in wet or dry locations, installed in underground ducts or direct burial. Low tension stripping compounds. Sealed conductor passes the production water penetration tests per ICEA--31-610 at 15 psi for 60 minutes. Strand Filled compound meets compatibility test requirements in accordance with ICEA-T-32-610

INDUSTRY COMPLIANCES

ICEA S-94-649 (Concentric Neutral Cables Rated 5 Through 46 kV.)

AEIC CS8 (Extruded Dielectric, Shielded Power Cables rated 5 kV - 46 kV.)

ASTM B8 (Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft.)

ASTM B231 (Concentric-Lay-Stranded Aluminum 1350 Conductors.)

CONSTRUCTION

CONDUCTORS:	Hard drawn aluminum Class B compressed or unilay compressed stranding per ASTM B231.
CONDUCTOR SHIELD:	Semi conducting cross-linked polyethylene (XLPE).
INSULATION:	Thermoset tree-retardant cross-linked polyethylene (TR-XLPE)
INSULATION SHIELD:	Semi conducting cross-linked polyethylene (XLPE).
CONCENTRIC NEUTRAL:	Soft annealed solid copper wires per ASTM B3, helically applied and uniformly spaced. Full or 1/3 Neutral.
BINDER TAPE:	A suitable polyester tape, as required
JACKET:	Extruded to fill (Encapsulated) Black sunlight resistant linear low density polyethylene (LLDPE), with three Red Stripes.

AWG	STRANDS	INSULATION THICKNESS (MILS)	OD OVER INSULATION (INCHES)	NEUTRAL		JACKET THICKNESS (MILS)	OUTSIDE DIAMETER (INCHES)	POUNDS PER 1000 FT
				No OF WIRE	AWG			
2	1	115	0.53	6	14	50	0.83	337
2	7	115	0.55	6	14	50	0.86	352
1	19	115	0.59	6	14	50	0.89	383
1/0	1	115	0.59	6	14	50	0.90	399
1/0	19	115	0.63	6	14	50	0.93	419
2/0	19	115	0.68	7	14	50	0.98	475
3/0	19	115	0.73	9	14	50	1.03	552
4/0	19	115	0.78	11	14	50	1.08	640
250	37	115	0.84	13	14	50	1.14	722
350	37	115	0.94	18	14	50	1.24	918
500	37	115	1.07	16	12	50	1.43	1253
750	61	115	1.27	15	10	80	1.74	1853
1000	61	115	1.42	16	9	80	1.91	2353

All values are nominal and subject to correction.