

HVTECK

TRXLPE/Wire Shield/PVC/AIA/PVC, Power, Shielded, Armored 15 kV
CSA HVTECK, 100% Ins. Level, 175 Mils, Single Conductor

**Product Construction:****Conductor:**

- 2 AWG thru 1000 kcmil bare copper compact Class B strand

Strand Shield:

- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:

- Tree-Retardant Cross-linked Polyethylene (TRXLPE)

Insulation Shield:

- Black semi-conducting thermosetting layer, applied in a triple extrusion process, plus a concentric serving of solid copper wires acting as both a drain wire shield and a grounding (bonding) conductor

Ground (Bonding) Conductor:

- The conductor is a concentric serving of solid copper wires applied over the thermosetting insulation shield

Inner Jacket:

- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK γ/γ° flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), red

Options:

- 105°C TRXLPE Insulation
- Galvanized Steel Interlocked Armor (GSIA)

Applications:

- For wiring in all hazardous locations when used with certified HL cable glands
- For exposed and concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated and ladder-type cable trays in dry, damp or wet locations
- For direct earth burial (with protection as required by inspection authority)

Features:

- Rated at 90°C wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Cost-effective alternative to installations in conduit
- Meets cold bend and impact tests at -40°C

Compliances:**Industry Compliances:**

- CSA Standard C68.10 MV68.10

Flame Test Compliances:

- CSA FT1 and FT4
- IEEE 1202 (70,000 BTU/hr) CSA FT4

Other Compliances:

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable
- RoHS Compliant

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

NO. OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/AL ARMOR		OUTDOOR AMPACITY** (40° C AMBIENT)
			INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE		LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km	
			INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm					
2 AWG THRU 1000 kcmil—SINGLE CONDUCTOR—100% INS. LEVELS, 175 MILS INS. (4.45 mm)—15 kV																	
1	2	6	0.66	16.7	0.73	18.6	0.99	25.3	1.24	31.5	1.33	33.8	259	385	950	1420	198
1	1	4	0.69	17.5	0.76	19.3	1.03	26.1	1.28	32.5	1.37	34.8	391	582	1080	1600	225
1	1/0	4	0.73	18.5	0.80	20.3	1.06	27.0	1.31	33.3	1.40	35.6	460	685	1170	1750	255
1	2/0	4	0.77	19.5	0.84	21.3	1.10	27.9	1.35	34.3	1.44	36.6	545	811	1290	1920	291
1	3/0	3	0.81	20.7	0.87	22.2	1.18	30.0	1.43	36.4	1.53	38.8	694	1033	1441	2144	327
1	4/0	3	0.87	22.0	0.94	23.9	1.21	30.6	1.46	37.1	1.55	39.4	824	1226	1640	2450	373
1	250	2	0.93	23.5	0.99	25.2	1.28	32.5	1.53	38.9	1.63	41.4	944	1405	1900	2830	417
1	350	1	1.07	27.2	1.15	29.2	1.43	36.3	1.71	43.5	1.81	46.0	1352	2012	2370	3530	491
1	500	1/0	1.14	29.0	1.23	31.2	1.54	39.1	1.83	46.5	1.93	49.1	1887	2808	3080	4590	562
1	750	2/0	1.32	33.6	1.41	35.9	1.78	45.2	2.07	52.6	2.17	55.2	2754	4099	4240	6320	642
1	1000	2/0	1.48	37.6	1.57	39.9	1.93	49.0	2.22	56.4	2.32	59.0	3532	5256	5280	7860	740

Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

**Open circuit (shield/armor) is assumed. Ampacities at other voltage levels do not vary significantly.

Special approval by local electrical inspection authorities may be required (Ref. CE Code Part 1, Appendix B, Rule 4-004).