

HVTECK

TRXLPE/Wire Shield/PVC/AIA/PVC, Power, Shielded, Armored
5 kV (133% Ins. Level)/8 kV (100% Ins. Level)
115 Mils, CSA HVTECK, Single Conductor

Product Construction:

Conductor:

- 6 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 $\sqrt{v}$ ® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), orange

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
- Provide 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						
			INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/ km	
6 AWG THRU 1000 kcmil—SINGLE CONDUCTOR—SHIELDED, 133% INS. LEVEL, 115 MILS INS. (2.92 mm)—5 kV																	
1	6	8	0.44	11.2	0.51	13.0	0.73	18.6	0.95	24.2	1.04	26.4	145	216	550	820	112
1	4	6	0.48	12.3	0.55	13.9	0.77	19.6	0.99	25.2	1.08	27.5	225	335	680	1010	148
1	2	6	0.54	13.7	0.61	15.5	0.83	21.1	1.08	27.5	1.17	29.7	303	451	840	1250	198
1	1	4	0.57	14.5	0.64	16.3	0.91	23.0	1.16	29.5	1.25	31.8	407	606	960	1430	225
1	1/0	4	0.61	15.4	0.68	17.3	0.94	23.9	1.19	30.3	1.28	32.5	407	606	1060	1570	255
1	2/0	4	0.65	16.4	0.72	18.3	0.98	25.0	1.23	31.3	1.32	33.6	476	708	1170	1740	291
1	3/0	3	0.70	17.7	0.76	19.3	1.03	26.3	1.31	33.3	1.40	35.6	563	838	1350	2000	327
1	4/0	3	0.75	18.9	0.81	20.6	1.08	27.5	1.36	34.6	1.45	36.9	710	1057	1520	2260	373
1	250	2	0.80	20.3	0.87	22.1	1.16	29.6	1.44	36.6	1.53	38.9	849	1263	1730	2580	417
1	350	1	0.94	23.9	1.01	25.7	1.29	32.8	1.57	39.9	1.67	42.4	1169	1740	2170	3230	491
1	500	1/0	1.02	26.0	1.11	28.2	1.41	35.8	1.69	43.0	1.79	45.6	1390	2069	2860	4260	562
1	750	2/0	1.20	30.6	1.29	32.8	1.60	40.7	1.89	48.0	1.99	50.6	2821	4198	3940	5860	642
1	1000	2/0	1.35	34.3	1.44	36.6	1.81	46.0	2.10	53.4	2.20	55.9	3608	5369	5090	7570	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).
Ampacity based on CE Code Table D17M and Rule 4-004.