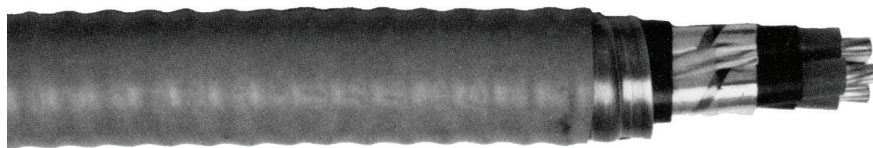


HVTECK

TRXLPE/Tape Shield/PVC/AIA/PVC, Power, Shielded, Armored 5 kV
CSA HVTECK, 100% Ins. Level, 90 Mils, Three 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:

- A semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color-coded: black, red or blue colored tape placed longitudinally under the copper tape shield

Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

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), 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
- 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/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			AL	STEEL	AL	STEEL		
6 AWG THRU 1000 kcmil—THREE CONDUCTOR—SHIELDED, 100% INS. LEVEL, 90 MILS INS. (2.29 mm)—5 kV																				
3	6	8	0.39	10.0	0.47	11.9	1.17	29.7	1.45	36.9	1.54	39.2	349	519	1120	1590	1670	2360	93	
3	4	8	0.45	11.3	0.51	12.8	1.28	32.6	1.53	38.9	1.65	42.0	447	665	1357	1804	2020	2684	122	
3	2	6	0.50	12.8	0.56	14.3	1.41	35.8	1.70	43.1	1.82	46.2	710	1056	1737	2263	2585	3368	141	
3	1	6	0.52	13.2	0.60	15.2	1.45	36.8	1.73	43.9	1.83	46.5	939	1397	1960	2486	2916	3699	161	
3	1/0	6	0.57	14.4	0.63	16.0	1.55	39.4	1.84	46.7	1.96	49.8	875	1302	2248	2931	3344	4361	184	
3	2/0	6	0.61	15.5	0.67	17.0	1.64	41.7	1.93	49.0	2.05	52.1	1340	1994	2563	3284	3814	4886	212	
3	3/0	4	0.64	16.3	0.71	18.0	1.78	45.2	2.07	52.6	2.17	55.1	1798	2675	3210	3930	4776	5848	242	
3	4/0	4	0.71	18.0	0.77	19.5	1.92	48.7	2.21	56.1	2.33	59.1	2130	3169	3626	4532	5395	6743	278	
3	250	4	0.77	19.4	0.83	21.0	2.03	51.5	2.32	58.9	2.46	62.4	2494	3711	4155	5109	6182	7603	306	
3	350	3	0.86	21.9	0.92	23.4	2.26	57.4	2.55	64.7	2.69	68.3	3471	5164	5276	6200	7850	9225	373	
3	500	3	0.97	24.7	1.03	26.2	2.50	63.4	2.79	70.8	2.93	74.4	4884	7268	6825	7842	10156	11669	450	
3	750	2	1.15	29.2	1.24	31.5	2.98	75.7	3.27	83.1	3.42	86.9	7440	11072	10330	11700	15370	17410	545	
3	1000	1	1.30	33.0	1.39	35.3	3.31	84.1	3.60	91.5	3.75	95.3	9860	14674	13080	14600	19460	21730	640	

Dimensions and weights are nominal; subject to industry tolerances.

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

**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 D17N and Rule 4-004.