

HVTECK

TRXLPE/Tape Shield/PVC/AIA/PVC, Power, Shielded, Armored 15 kV
CSA HVTECK, 133% Ins. Level, 220 Mils, Three Conductor

Product Construction:

Conductor:

- 2 AWG thru 750 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:

- This consists of 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:

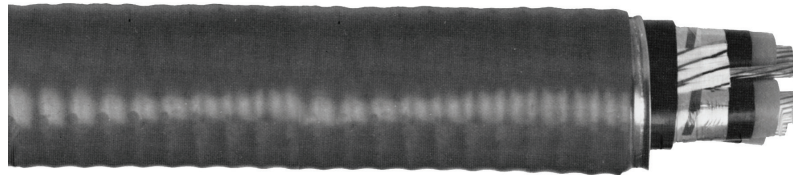
- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK $\sqrt{v}$ ® 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 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-30-520 (70,000 BTU/hr)
- ICEA T-29-520 (210,000 BTU/hr)

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		
2 AWG THRU 750 kcmil—THREE CONDUCTOR—133% INS. LEVEL, 220 MILS INS. (5.59 mm)—15 kV																				
3	2	6	0.75	19.1	0.81	20.6	2.02	51.4	2.31	58.8	2.42	61.5	710	1056	2618	3451	3896	5136	141	
3	1	6	0.78	19.9	0.84	21.4	2.06	52.2	2.35	59.6	2.46	62.4	875	1302	2702	3533	4021	5258	161	
3	1/0	6	0.82	20.8	0.88	22.3	2.17	55.0	2.46	62.4	2.60	66.0	1080	1607	3228	4285	4803	6377	184	
3	2/0	6	0.86	21.8	0.92	23.4	2.22	56.3	2.51	63.7	2.64	67.0	1340	1994	3555	4447	5289	6617	212	
3	3/0	4	0.91	23.1	0.98	24.9	2.36	59.9	2.65	67.3	2.77	70.4	1717	2554	4140	5230	6160	7782	242	
3	4/0	4	0.96	24.4	1.03	26.2	2.47	62.7	2.76	70.1	2.88	73.2	2130	3169	4680	5810	6964	8645	278	
3	250	4	1.02	25.8	1.08	27.3	2.58	65.5	2.87	72.9	3.01	76.5	2494	3711	4960	6008	7380	8940	306	
3	350	3	1.11	28.1	1.25	31.6	2.75	69.9	3.04	77.3	3.17	80.6	3471	5164	6296	7393	9369	11000	373	
3	500	3	1.22	31.0	1.28	32.6	3.05	77.6	3.34	84.9	3.50	88.8	4884	7268	8213	9424	12221	14023	450	
3	750	2	1.39	35.4	1.45	36.9	3.48	88.4	3.77	95.7	3.94	100.1	7296	10857	10763	11974	16015	17817	545	

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).