

# 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:**

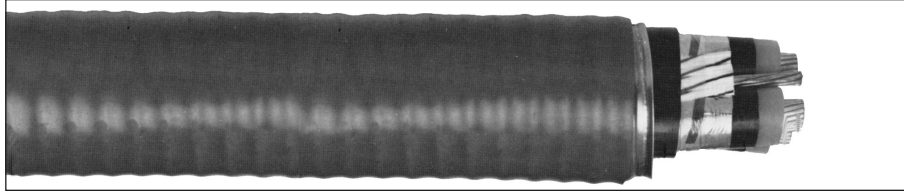
- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

**Armor:**

- Aluminum Interlocked Armor (AIA)

**Overall Jacket:**

- Lead-free, ACID-FLAME-CHECK ✓<sup>®</sup> flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), red



**Options:**

- 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

**Compliances (cont'd.):**

**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

CATALOG NUMBER	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	
<b>2 AWG THRU 750 kcmil – THREE CONDUCTOR – 133% INS. LEVEL, 220 MILS INS. (5.59 mm) – 15 kV</b>																				
17496.230200*	3	2	6	0.76	19.3	0.83	21.1	2.02	51.3	2.31	58.7	2.43	61.7	793	1180	2665	3518	3966	5235	141
17496.010100*	3	1	6	0.79	20.1	0.86	21.9	2.10	53.3	2.37	60.2	2.49	63.3	964	1435	3089	3930	4597	5850	161
17451.316781*	3	1/0	6	0.83	21.1	0.89	22.6	2.17	55.1	2.46	62.5	2.58	65.6	1175	1749	3300	4300	4900	6390	184
17496.015200*	3	2/0	6	0.86	21.8	0.93	23.6	2.26	57.3	2.55	64.8	2.67	67.8	1438	2140	3650	4690	5430	6980	212
17496.025300*	3	3/0	4	0.91	23.0	0.98	24.9	2.36	60.0	2.65	67.3	2.77	70.4	1821	2710	4140	5230	6160	7780	242
17496.055400	3	4/0	4	0.96	24.3	1.03	26.2	2.47	62.8	2.76	70.1	2.88	73.2	2248	3345	4680	5810	6960	8650	278
17496.026000*	3	250	4	1.02	25.8	1.08	27.5	2.59	65.8	2.88	73.2	3.00	76.2	2607	3880	5275	6440	7850	9580	306
17496.046200	3	350	3	1.12	28.3	1.20	30.5	2.90	73.7	3.19	81.0	3.33	84.6	3597	5353	6842	8170	10181	12160	373
17496.056500	3	500	3	1.24	31.5	1.32	33.6	3.16	80.3	3.45	87.6	3.59	91.2	5022	7474	8513	10050	12668	14950	450
17496.037000	3	750	2	1.42	36.0	1.51	38.3	3.57	90.7	3.85	97.8	4.00	101.6	7452	11090	11507	13160	17122	19580	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).