

# HVTECK

TRXLPE/Tape Shield/PVC/AIA/PVC, Power, Shielded, Armored  
25 kV, CSA HVTECK, 100% Ins. Level, 260 Mils, Three Conductor



**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

**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

**Product Construction:**

**Conductor:**

- 1 AWG thru 500 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 ✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black or as requested

**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)

**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>1 AWG THRU 500 kcmil—THREE CONDUCTOR—100% INS. LEVEL, 260 MILS INS. (6.60 mm)—25 kV</b>																				
17496.850100*	3	1	6	0.87	22.1	0.94	23.9	2.26	57.5	2.55	64.8	2.67	67.8	973	1448	3250	4300	4840	6390	164
17496.855100*	3	1/0	6	0.91	23.1	0.97	24.6	2.34	59.5	2.63	66.8	2.74	69.6	1181	1758	3550	4630	5290	6890	187
17496.855200*	3	2/0	6	0.95	24.1	1.01	25.7	2.43	61.7	2.72	69.1	2.84	72.2	1446	2152	3930	5040	5850	7500	215
17496.855300*	3	3/0	4	0.99	25.1	1.06	26.9	2.54	64.5	2.82	71.6	2.94	74.7	1827	2719	4440	5600	6610	8340	245
17496.855400*	3	4/0	4	1.04	26.4	1.13	28.7	2.70	68.5	2.98	75.7	3.10	78.8	2249	3347	5090	6320	7580	9410	281
17496.856000*	3	250	4	1.10	27.9	1.18	30.1	2.87	72.9	3.16	80.3	3.29	83.6	2619	3898	5900	7220	8790	10750	310
17496.856200*	3	350	3	1.24	31.5	1.33	33.8	3.17	80.5	3.46	87.9	3.60	91.5	3606	5366	7180	8590	10680	12780	377
17496.856500*	3	500	3	1.32	33.5	1.41	35.8	3.34	84.9	3.63	92.2	3.76	95.5	5032	7489	8950	10480	13320	15590	454

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).

