

# HVTECK

TRXLPE/Tape Shield/PVC/AIA/PVC, Power, Shielded, Armored

5 kV (133% Ins. Level)/8 kV (100% Ins. Level), 115 Mils, CSA HVTECK, Three Conductor

**Product Construction:**

**Conductor:**

- 4 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 ✓<sup>®</sup> flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), orange



**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	STEEL	AL	STEEL	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm							

**4 AWG THRU 1000 kcmil—THREE CONDUCTOR—SHIELDED, 5 kV 133% / 8 kV 100% INS. LEVEL, 115 MILS INS. (2.92 mm) (TO AEIC)**

17496.750400*	3	4	8	0.48	12.3	0.55	13.9	1.37	34.8	1.65	41.9	1.75	44.5	505	752	1500	2040	2230	3040	122
17496.750200*	3	2	6	0.54	13.7	0.61	15.5	1.50	38.2	1.78	45.2	1.88	47.8	774	1152	1930	2630	2870	3910	141
17496.750100*	3	1	6	0.57	14.5	0.64	16.3	1.57	39.9	1.86	47.3	1.96	49.8	943	1403	2150	2880	3200	2490	161
17496.755100*	3	1/0	6	0.61	15.4	0.68	17.3	1.65	41.9	1.94	49.3	2.04	51.8	1151	1713	2430	3200	3620	4760	184
17496.755200*	3	2/0	6	0.65	16.4	0.72	18.3	1.80	45.6	2.09	53.1	2.19	55.7	1417	2109	2890	3720	4300	5540	212
17496.755300*	3	3/0	4	0.70	17.7	0.76	19.3	1.90	48.3	2.19	55.7	2.29	58.2	1796	2673	3360	4240	5000	6310	242
17496.755400*	3	4/0	4	0.75	18.9	0.81	20.6	2.01	51.0	2.30	58.5	2.43	61.8	2215	3296	3940	4870	5860	7240	278
17496.756000*	3	250	4	0.80	20.3	0.87	22.1	2.13	54.1	2.42	61.5	2.55	64.8	2583	3844	4470	5450	6650	8120	306
17496.756200*	3	350	3	0.94	23.9	1.01	25.7	2.43	61.8	2.72	69.1	2.85	72.4	3572	5316	5650	6730	8400	10020	373
17496.756500*	3	500	3	1.02	26.0	1.11	28.2	2.64	67.1	2.93	74.5	3.06	77.8	5004	7447	7440	8660	11070	12880	450
17496.757000*	3	750	2	1.20	30.6	1.29	32.8	3.10	78.8	3.39	86.1	3.54	89.9	7431	11059	10560	11980	15710	17830	545
17496.757500*	3	1000	1	1.35	34.3	1.44	36.6	3.42	86.9	3.71	94.3	3.86	98.1	9863	14678	13300	14870	19790	22130	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.