

HVTECK

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

Product Construction:

Conductor:

- 2 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:

- Black semi-conducting thermosetting layer, applied in a triple extrusion process, plus a concentric serving of solid copper wires acting as both a drain wire shield and a grounding (bonding) conductor

Ground (Bonding) Conductor:

- The conductor is a concentric serving of solid copper wires applied over the thermosetting insulation shield

Inner Jacket:

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

Armor:

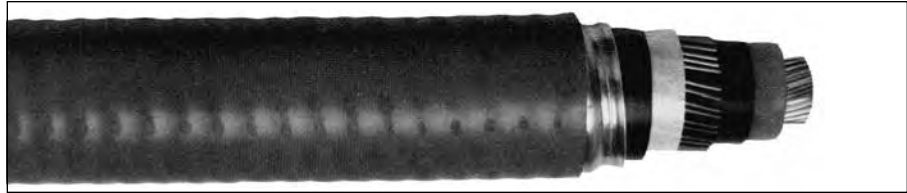
- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK ✓✓[®] flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), 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

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)

Compliances (cont'd.):

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/AL 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					

2 AWG THRU 1000 kcmil—SINGLE CONDUCTOR—133% INS. LEVELS, 220 MILS INS. (5.59 mm)—15 kV

17496.216500*	1	2	6	0.76	19.3	0.83	21.1	1.09	27.7	1.34	34.1	1.43	36.4	286	426	1028	1530	198
17496.820100*	1	1	4	0.79	20.1	0.86	21.9	1.12	28.4	1.37	34.8	1.46	37.1	391	582	1170	1740	225
17496.825100*	1	1/0	4	0.83	21.1	0.89	22.6	1.16	29.4	1.41	35.8	1.50	38.1	459	683	1270	1890	255
17496.825200*	1	2/0	4	0.86	21.8	0.93	23.6	1.20	30.4	1.45	36.9	1.54	39.2	546	813	1390	2060	291
17496.825300*	1	3/0	3	0.91	23.0	0.98	24.9	1.25	31.7	1.50	38.1	1.59	40.4	693	1031	1570	2340	327
17496.825400*	1	4/0	3	0.96	24.3	1.03	26.2	1.30	33.0	1.58	40.2	1.68	42.7	830	1235	1780	2650	373
17496.826000*	1	250	2	1.02	25.8	1.08	27.5	1.38	35.0	1.66	42.2	1.76	44.7	989	1472	2010	2990	417
17496.826200*	1	350	1	1.12	28.3	1.20	30.5	1.50	38.0	1.78	45.2	1.88	47.8	1228	1827	2490	3700	491
17496.826500*	1	500	1/0	1.24	31.5	1.32	33.6	1.65	41.8	1.94	49.3	2.04	51.9	1896	2821	3220	4790	562
17496.827000*	1	750	2/0	1.42	36.0	1.51	38.3	1.89	48.0	2.18	55.4	2.28	57.9	2766	4116	4390	6530	642
17496.827500*	1	1000	2/0	1.57	39.9	1.68	42.6	2.05	52.1	2.34	59.5	2.48	63.0	3552	5286	5550	8260	740

Dimensions and weights are nominal; subject to industry tolerances.

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

**Open circuit (shield/armor) is assumed. 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).