

HVTECK

TRXLPE/Tape Shield/PVC/AIA/PVC, Power, Shielded, Armored
25 kV, CSA HVTECK, 133% Ins. Level, 320 Mils, Three Conductor

Product Construction:

Conductor:

- 1 AWG thru 350 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:

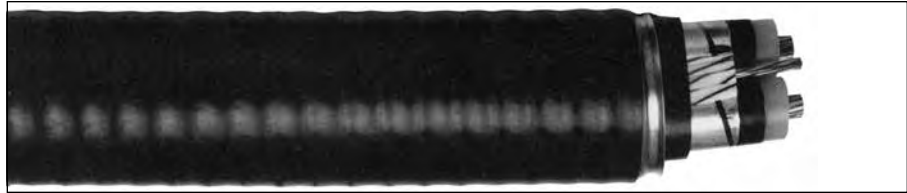
- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

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)

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	
1 AWG THRU 350 kcmil – THREE CONDUCTOR – 133% INS. LEVEL, 320 MILS INS. (8.13 mm) – 25 kV																				
17496.860100*	3	1	6	0.99	25.2	1.06	26.9	2.53	64.2	2.82	71.6	2.94	74.7	985	1466	3690	4850	5490	7210	164
17496.865100*	3	1/0	6	1.03	26.2	1.12	28.5	2.65	67.3	2.94	74.7	3.06	77.7	1193	1775	4110	5330	6120	7930	187
17496.865200*	3	2/0	6	1.07	27.2	1.16	29.5	2.74	69.6	3.03	77.0	3.15	80.0	1460	2173	4490	5740	6680	8540	215
17496.865300*	3	3/0	4	1.12	28.5	1.21	30.8	2.91	73.9	3.19	81.1	3.33	84.6	1842	2741	5270	6600	7840	9820	245
17496.865400*	3	4/0	4	1.17	29.8	1.26	32.0	3.02	76.7	3.31	84.1	3.44	87.4	2261	3365	5840	7220	8700	10740	281
17496.866000*	3	250	4	1.22	30.9	1.31	33.2	3.15	80.0	3.43	87.1	3.58	90.9	2629	3912	6440	7880	9590	11720	310
17496.866200*	3	350	3	1.37	34.8	1.45	36.9	3.44	87.4	3.73	94.8	3.88	98.6	3615	5380	7720	9250	11490	13770	377

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).