

HVTECK

TRXLPE/Tape Shield/PVC/AIA/PVC, Power, Shielded, Armored
5 kV, CSA HVTECK, 100%/133% Ins. Levels, 90 Mils, Three Conductor

Product Construction:

Conductor:

- 6 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:

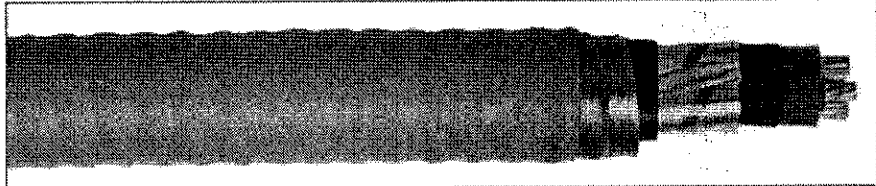
- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK ✓/✓ flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), orange



Print:

- GENERAL CABLE® 3/C SIZE (AWG OR KCMIL) COPPER CPT TRXLPE 5 kV (100% OR 133% INS LEVEL) ACID-FLAME-CHECK ✓/✓ CSA HL HVTECK FT4 (-40°C) DIR BUR SUN RES MONTH/YEAR (LIGHTNING BOLT SYMBOL) SEQUENTIAL LENGTH MARK

Options:

- Galvanized Steel Interlocked Armor (GSA/A)
- Other constructions available upon request

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 C22.2 No. 131 and No. 174
- CSA Standard C68.3

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) GSA 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

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				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

6 AWG THRU 1000 kcmil—THREE CONDUCTOR—SHIELDED, 100%/133% INS. LEVELS, 90 MILS INS. (2.29 mm)—5 kV

17496.740600*	3	6	8	0.39	10.0	0.47	11.9	1.17	29.7	1.45	36.9	1.54	39.2	349	519	1120	1690	1670	2300	93
17496.740400*	3	4	8	0.43	10.5	0.51	13.0	1.26	32.0	1.54	39.1	1.63	41.4	503	749	1350	1850	1670	2780	122
17496.740200*	3	2	8	0.49	12.5	0.57	14.5	1.39	35.3	1.67	42.4	1.77	45.0	771	1147	1740	2290	2590	3410	159
17496.740100*	3	1	6	0.52	13.3	0.60	15.3	1.45	36.9	1.73	43.9	1.83	46.5	939	1397	1960	2540	2920	3780	184
17496.745100*	3	1/0	6	0.56	14.2	0.63	16.0	1.53	38.9	1.81	46.0	1.91	48.5	1148	1708	2290	3010	3410	4490	211
17496.745200*	3	2/0	6	0.60	15.2	0.67	17.0	1.62	41.2	1.91	48.5	2.01	51.1	1414	2104	2620	3380	3900	5030	243
17496.745300*	3	3/0	4	0.64	16.3	0.71	18.1	1.78	45.2	2.07	52.6	2.17	55.1	1798	2668	3210	4040	4780	6020	279
17496.745400*	3	4/0	4	0.70	17.8	0.76	19.3	1.90	48.3	2.19	55.6	2.29	58.2	2212	3292	3720	4600	5590	6840	321
17496.746000*	3	250	4	0.75	19.1	0.82	20.8	2.01	51.1	2.30	58.4	2.43	61.8	2583	3844	4300	5240	6400	7800	355
17496.746200*	3	350	3	0.85	21.5	0.96	24.4	2.32	58.9	2.61	66.3	2.74	69.8	3569	5311	5480	6520	8160	9700	435
17496.746500*	3	500	3	0.97	24.6	1.04	26.4	2.46	63.0	2.77	70.4	2.90	73.7	4998	7438	7130	8280	10610	12320	536
17496.747000*	3	750	2	1.15	29.2	1.24	31.5	2.98	75.7	3.27	83.1	3.42	86.9	7440	11072	10330	11700	15370	17410	668
17496.747500*	3	1000	1	1.30	33.0	1.39	35.3	3.31	84.1	3.60	91.5	3.75	95.3	9860	14674	13080	14600	19460	21730	768

Dimensions and weights are nominal; subject to industry tolerances.

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

**Amppacity is based on ICEA Publication P 46-428 for 6 kV cables. 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).



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