

# 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:

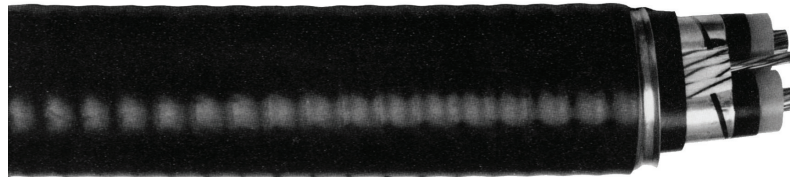
- The conductor consists of one uninsulated stranded bare copper conductor

### 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  $\sqrt{\sqrt{}}$  flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black or as requested

### Options:

- 105°C TRXLPE Insulation
- 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 MV68.10

#### Flame Test Compliances:

- CSA FT1 and FT4
- IEEE 1202 (70,000 BTU/hr) CSA FT4

#### 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

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									
			INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	LBS/1000 FT	kg/km	AL	STEEL		AL
1 AWG THRU 350 kcmil—THREE CONDUCTOR—133% INS. LEVEL, 320 MILS INS. (8.13 mm)—25 kV																				
3	1	6	0.99	25.2	1.05	26.7	2.54	64.5	2.83	71.9	2.97	75.4	875	1302	3460	4492	5148	6684	164	
3	1/0	6	1.03	26.1	1.09	27.6	2.62	66.4	2.91	73.8	3.05	77.4	1080	1607	3753	4815	5584	7165	187	
3	2/0	6	1.07	27.2	1.16	29.5	2.74	69.6	3.03	77.0	3.15	80.0	1340	2173	4490	5740	6680	8540	215	
3	3/0	4	1.12	28.5	1.21	30.8	2.91	73.9	3.19	81.1	3.33	84.6	1717	2741	5270	6600	7840	9820	245	
3	4/0	4	1.17	29.8	1.26	32.0	3.02	76.7	3.31	84.1	3.44	87.4	2130	3365	5840	7220	8700	10740	281	
3	250	4	1.22	30.9	1.31	33.2	3.15	80.0	3.43	87.1	3.58	90.9	2494	3912	6440	7880	9590	11720	310	
3	350	3	1.37	34.8	1.45	36.9	3.44	87.4	3.73	94.8	3.88	98.6	3471	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).