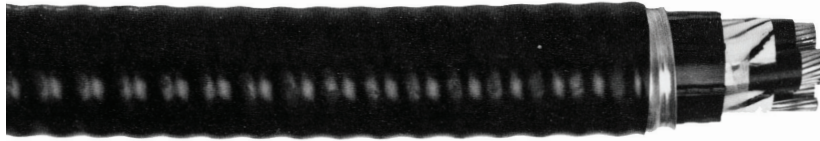


**VERTITECK® TECK90**XLPE/PVC/GSIA/PVC, Power, Unshielded, Armored 1 kV  
CSA TECK90, Three Conductor**Product Construction:****Conductor:**

- 1/0 AWG thru 1000 kcmil bare copper compact Class B strand

**Insulation:**

- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: printed numbers

**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:**

- Galvanized Steel Interlocked Armor (GSIA)

**Overall Jacket:**

- Lead-free, ACID-FLAME-CHECK  $\sqrt{V}^{\text{®}}$  AG14 flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

**Applications:**

- 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)
  - For wiring in all hazardous locations when used with certified HL cable glands
  - Cost-effective alternative to installation in conduit
  - Typical vertical installations include mine shafts, tall commercial buildings, inclined tunnels and vertical cable trays
- (Note that the overall jacket is required for all damp and wet locations and for all corrosive environments: CE Code Part 1, Rules 12-708 and 22-200)

**Features:**

- Rated at 90°C wet or dry
- The jacket under the armor (inner jacket) is designed with longitudinal raised ribs. The armor is then applied and bites into these ribs to provide a solidly locked construction. This feature enables the cable to be self-supporting (core will not slip) during vertical installation when cable weight is supported by the copper conductors

**Features (cont'd.):**

- Lighter than mine shaft cable with conventional steel wire armor (SWA)
- More flexible than SWA cables, resulting in easier handling during installation
- Terminations and connections to electrical cabinets are similar to standard TECK90 cables
- Meets cold bend and impact tests at -40°C

**Compliances:****Industry Compliances:**

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

**Flame Test Compliances:**

- CSA FT1 and FT4
- UL 1581 (70,000 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)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/STEEL ARMOR		AMPACITY** (30°C AMBIENT)	MAXIMUM SELF-SUPPORTING LENGTH*** (m)
						INSULATION		ARMOR		CABLE							
				IN	mm	IN	mm	IN	mm	IN	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km		
1/0 AWG THRU 1000 kcmil—THREE CONDUCTOR—1000 V																	
11289.415100*	3	1/0	6	0.080	2.03	0.36	9.0	1.66	42.2	1.78	45.2	1082	1610	2520	3760	170	212
11289.415200*	3	2/0	6	0.080	2.03	0.54	13.8	1.75	44.5	1.87	47.5	1342	1997	2880	4280	195	232
11289.415300*	3	3/0	4	0.080	2.03	0.59	15.0	1.85	47.0	1.97	50.1	1719	2558	3360	5000	225	254
11289.415400*	3	4/0	4	0.080	2.03	0.64	16.3	1.96	49.8	2.08	52.9	2133	3174	4080	6080	260	260
11289.416000*	3	250	4	0.090	2.29	0.71	18.0	2.15	54.6	2.27	57.7	2498	3718	4790	7130	290	270
11289.416200*	3	350	3	0.090	2.29	0.81	20.4	2.36	60.0	2.50	63.5	2475	5171	6100	9080	350	288
11289.416500*	3	500	2	0.090	2.29	0.93	23.5	2.62	66.6	2.76	70.1	4891	7279	7900	11760	430	***
11289.417000*	3	750	2	0.090	2.29	1.10	27.9	2.99	76.0	3.13	79.5	7306	10873	10830	16110	535	***
11289.417500*	3	1000	1	0.090	2.29	1.25	31.8	3.38	85.6	3.54	89.9	9714	14456	13970	20780	615	***

Dimensions and weight are nominal; subject to industry tolerances.

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

\*\*Ampacity is based on CE Code Part 1, Table 2 (three conductors in raceway [conduit]) and Rule 4-004.

\*\*\*Maximum self-supporting lengths are based on safety factor of 5 and a tensile strength of 37,000 psi for soft drawn copper.

Higher safety factors or lower tensile strength values may be required to address more stringent safety regulations.