HVTECK Armored Power, Shielded, XLPE/PVC/AIA/PVC

5kV, Single Conductor, 100% & 133% Ins Level, 90 Mils

Product Construction

Conductor:
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

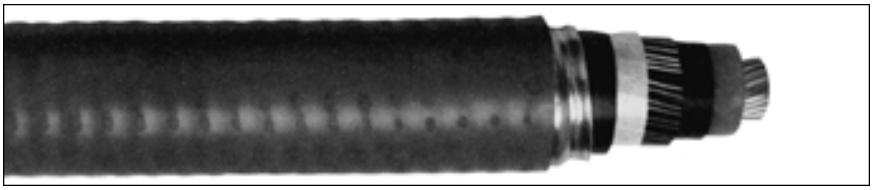
Insulation Shield:
- A semi-conducting thermosetting layer, applied in a triple extrusive process, plus a concentric serving of solid copper wires acting as both a drain wire shield and as a grounding (bonding) conductor
- Color Code: black insulation shield

Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid copper wires applied over the thermosetting insulation shield

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - orange



Print:
- GENERAL CABLE® BICC® BRAND 1/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 5KV (100% OR 133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK (-40˚C) FT4 MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
  CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

6 AWG THRU 1000 KCMIL CONDUCTORS - SINGLE CONDUCTOR - 5kV SHIELDED, 100% & 133% INS. LEVEL, 90 MILS INS. (2.29 mm)

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km	
17496.700600	1	6	8	0.39	9.9	0.45	11.5	0.68	17.3	0.84	21.4	0.95	24.2	144	214	510	770	112
17496.700400	1	4	6	0.43	11.0	0.50	12.6	0.73	18.5	0.89	22.5	1.00	25.3	224	333	590	880	148
17496.700200	1	2	6	0.49	12.4	0.55	14.0	0.78	19.9	1.00	25.5	1.11	28.3	302	449	750	1120	195
17496.700100	1	1	4	0.52	13.2	0.58	14.9	0.82	20.7	1.04	26.3	1.15	29.1	406	604	870	1300	225
17496.705100	1	1/0	4	0.56	14.1	0.62	15.8	0.89	22.7	1.11	28.3	1.23	31.2	475	707	1010	1500	260
17496.705200	1	2/0	4	0.60	15.2	0.66	16.8	0.93	23.7	1.15	29.3	1.27	32.2	562	836	1120	1670	299
17496.705300	1	3/0	3	0.65	16.4	0.71	18.1	0.98	24.9	1.20	30.5	1.32	33.4	709	1055	1300	1930	345
17496.705400	1	4/0	3	0.70	17.7	0.76	19.3	1.03	26.3	1.25	31.8	1.37	34.7	843	1255	1470	2180	400
17496.706000	1	250	2	0.75	19.2	0.82	20.8	1.11	28.3	1.33	33.9	1.45	36.8	1013	1508	1680	2500	444
17496.706200	1	350	1	0.85	21.7	0.92	23.4	1.22	30.9	1.44	36.5	1.55	39.4	1389	2067	2120	3150	549
17496.706500	1	500	1/0	0.97	24.7	1.04	26.4	1.36	34.5	1.58	40.1	1.72	43.6	1928	2869	2770	4130	688
17496.707000	1	750	2/0	1.15	29.3	1.24	31.5	1.57	39.8	1.82	46.1	1.95	49.5	2820	4197	3780	5760	889
17496.707500	1	1000	2/0	1.31	33.2	1.40	35.5	1.81	46.0	2.06	52.4	2.20	55.9	3607	5368	5010	7460	1061

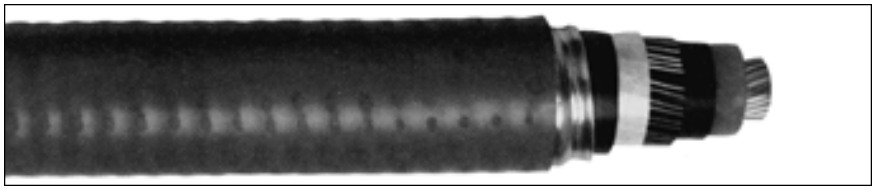
*AMPACITY is based on ICEA Publication P 46-426 for 8kV Cables. Open circuit (shield/armor) is assumed. Ampacities at other voltage levels do not vary significantly. Special approval by local electrical inspection authorities may be required (Ref. CE Code Part 1, Appendix B, Rule 4-004)

General Cable
Phone:(800) 338-0901
www.generalcable.com

BICC BRAND

HVTECK Armored Power, Shielded, XLPE/PVC/AIA/PVC

5kV, Single Conductor, 133% Ins Level, 115 Mils (to AEIC)



Product Construction

Conductor:
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

Insulation Shield:
- A 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 as a grounding (bonding) conductor
- Color Code: black insulation shield

Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid copper wires applied over the thermosetting insulation shield

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - orange

Print:
- GENERAL CABLE® BICC® BRAND 1/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 5KV (133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK (-40˚C) FT4 MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

6 AWG THRU 1000 KCMIL CONDUCTORS - SINGLE CONDUCTOR - 5kV SHIELDED, 133% INS. LEVEL, 115 MILS INS. (2.92 mm) (TO AEIC)

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km	
17496.710600	1	6	8	0.44	11.2	0.50	12.8	0.73	18.6	0.89	22.7	1.00	25.5	145	216	550	820	112
17496.710400	1	4	6	0.48	12.3	0.55	13.9	0.78	19.8	1.00	25.3	1.11	28.2	225	335	680	1010	148
17496.710200	1	2	6	0.54	13.7	0.60	15.3	0.87	22.2	1.09	27.8	1.21	30.6	303	451	840	1250	195
17496.710100	1	1	4	0.57	14.5	0.63	16.1	0.91	23.0	1.13	28.6	1.24	31.5	407	606	960	1430	225
17496.715100	1	1/0	4	0.61	15.4	0.67	17.1	0.94	23.9	1.16	29.5	1.28	32.4	407	606	1060	1570	260
17496.715200	1	2/0	4	0.65	16.4	0.71	18.1	0.98	25.0	1.20	30.5	1.32	33.4	476	708	1170	1740	299
17496.715300	1	3/0	3	0.70	17.7	0.76	19.3	1.03	26.3	1.25	31.8	1.37	34.7	563	838	1350	2000	345
17496.715400	1	4/0	3	0.75	18.9	0.81	20.6	1.08	27.5	1.30	33.1	1.42	36.0	710	1057	1520	2260	400
17496.716000	1	250	2	0.81	20.4	0.87	22.1	1.16	29.6	1.38	35.1	1.50	38.0	849	1263	1730	2580	444
17496.716200	1	350	1	0.90	23.0	0.97	24.6	1.27	32.1	1.49	37.7	1.60	40.7	1169	1740	2170	3230	549
17496.716500	1	500	1/0	1.02	26.0	1.11	28.2	1.43	36.4	1.65	42.0	1.79	45.4	1390	2069	2860	4260	688
17496.717000	1	750	2/0	1.20	30.6	1.29	32.8	1.62	41.0	1.87	47.4	2.00	50.8	2821	4198	3940	5860	889
17496.717500	1	1000	2/0	1.36	34.5	1.45	36.7	1.86	47.3	2.11	53.7	2.25	57.2	3608	5369	5090	7570	1061

*AMPACITY is based on ICEA Publication P 46-426 for 8kV Cables. 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)

HVTECK Armored Power, Shielded, XLPE/PVC/AIA/PVC

5kV, Three Conductor, 100% & 133% Ins Level, 90 Mils

Product Construction

Conductor:
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

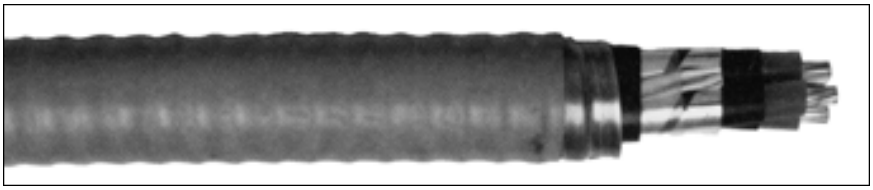
Insulation Shield:
- A semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: black, red or blue colored tape placed longitudinally under the copper tape shield

Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - orange



Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 5KV (100% OR 133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

6 AWG THRU 1000 KCMIL CONDUCTORS - THREE CONDUCTOR - 5kV SHIELDED, 100% & 133% INS. LEVEL, 90 MILS INS. (2.29 mm)

CATALOG NUMBER (For Steel Armor replace 17496 with 17497)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER) INSULATION INCHES	INSULATION mm	INSULATION SHIELD INCHES	INSULATION SHIELD mm	INNER JACKET INCHES	INNER JACKET mm	ARMOR INCHES	ARMOR mm	CABLE INCHES	CABLE mm	COPPER WEIGHT lbs/1000ft	COPPER WEIGHT kg/km	NET WEIGHT W/ AL (STEEL) ARMOR lbs/1000ft	NET WEIGHT W/ AL (STEEL) ARMOR kg/km	AMPACITY* (40˚C AMBIENT)
17496.740600	3	6	8	0.39	9.9	0.45	11.5	1.17	29.7	1.39	35.3	1.50	38.2	349	519	1120 (1590)	1670 (2360)	93
17496.740400	3	4	8	0.43	11.0	0.50	12.6	1.27	32.3	1.49	37.9	1.61	40.8	503	749	1350 (1850)	2010 (2760)	122
17496.740200	3	2	6	0.49	12.4	0.55	14.0	1.39	35.3	1.61	40.9	1.75	44.3	771	1147	1740 (2290)	2590 (3410)	159
17496.740100	3	1	6	0.52	13.2	0.58	14.9	1.46	37.1	1.68	42.7	1.82	46.1	939	1397	1960 (2540)	2920 (3780)	184
17496.745100	3	1/0	6	0.56	14.1	0.62	15.8	1.54	39.2	1.79	45.5	1.93	48.9	1148	1708	2290 (3010)	3410 (4490)	211
17496.745200	3	2/0	6	0.60	15.2	0.66	16.8	1.63	41.4	1.88	47.7	2.01	51.1	1414	2104	2620 (3380)	3900 (5030)	243
17496.745300	3	3/0	4	0.65	16.4	0.71	18.1	1.79	45.6	2.04	51.9	2.18	55.5	1793	2668	3210 (4040)	4780 (6020)	279
17496.745400	3	4/0	4	0.70	17.7	0.76	19.3	1.90	48.3	2.15	54.7	2.29	58.2	2212	3292	3720 (4600)	5530 (6840)	321
17496.746000	3	250	4	0.75	19.2	0.82	20.8	2.03	51.7	2.28	58.0	2.45	62.3	2583	3844	4300 (5240)	6400 (7800)	355
17496.746200	3	350	3	0.85	21.7	0.92	23.4	2.25	57.1	2.50	63.5	2.67	67.9	3569	5311	5480 (6520)	8160 (9700)	435
17496.746500	3	500	3	0.97	24.7	1.04	26.4	2.50	63.6	2.75	69.9	2.93	74.4	4998	7438	7130 (8280)	10610 (12320)	536
17496.747000	3	750	2	1.15	29.3	1.24	31.5	3.01	76.5	3.26	82.9	3.46	87.9	7440	11072	10330(11700)	15370 (17410)	668
17496.747500	3	1000	1	1.31	33.2	1.40	35.5	3.35	85.1	3.60	91.4	3.80	96.5	9860	14674	13080(14600)	19460 (21730)	768

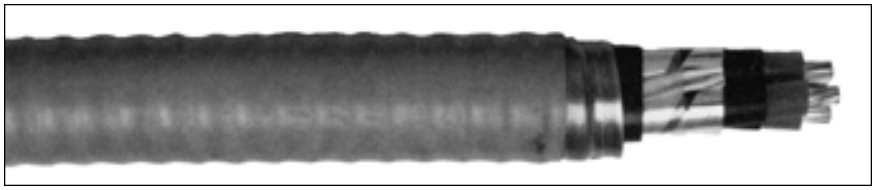
*AMPACITY is based on ICEA Publication P 46-426 for 8kV Cables. Ampacities at other voltage levels do not vary significantly. Special approval by local electrical inspection authorities may be required (Ref. CE Code Part 1, Appendix B, Rule 4-004)

General Cable
Phone:(800) 338-0901
www.generalcable.com

BICC BRAND

HVTECK Armored Power, Shielded, XLPE/PVC/AIA/PVC

5kV, Three Conductor, 133% Ins Level 115 Mils (to AEIC)



Product Construction

Conductor:
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

Insulation Shield:
- A semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: 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:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - orange

Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 5KV (133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C)MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSAI)
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

6 AWG THRU 1000 KCMIL CONDUCTORS - THREE CONDUCTOR - 5kV SHIELDED, 133% INS. LEVEL, 115 MILS INS. (2.92 mm) (TO AEIC)

CATALOG NUMBER (For Steel Armor replace 17496 with 17497)	NO. OF COND.	COND. AWG/kcmil SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE		lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm					
17496.750600	3	6	8	0.44	11.2	0.50	12.8	1.28	32.6	1.50	38.2	1.64	41.6	352	524	1270 (1780)	1890 (2650)	93
17496.750400	3	4	8	0.48	12.3	0.55	13.9	1.38	35.0	1.60	40.6	1.73	44.1	505	752	1500 (2040)	2230 (3040)	122
17496.750200	3	2	6	0.54	13.7	0.60	15.3	1.50	38.2	1.75	44.5	1.89	47.9	774	1152	1930 (2630)	2870 (3910)	159
17496.750100	3	1	6	0.57	14.5	0.63	16.1	1.57	39.9	1.82	46.2	1.96	49.7	943	1403	2150 (2880)	3200 (4290)	184
17496.755100	3	1/0	6	0.61	15.4	0.67	17.1	1.65	41.9	1.90	48.3	2.04	51.8	1151	1713	2430 (3200)	3620 (4760)	211
17496.755200	3	2/0	6	0.65	16.4	0.71	18.1	1.80	45.6	2.05	52.0	2.19	55.5	1417	2109	2890 (3720)	4300 (5540)	243
17496.755300	3	3/0	4	0.70	17.7	0.76	19.3	1.90	48.3	2.15	54.7	2.29	58.2	1796	2673	3360 (4240)	5000 (6310)	279
17496.755400	3	4/0	4	0.75	18.9	0.81	20.6	2.01	51.0	2.26	57.4	2.43	61.7	2215	3296	3940 (4870)	5860 (7240)	321
17496.756000	3	250	4	0.81	20.4	0.87	22.1	2.14	54.4	2.39	60.7	2.57	65.2	2583	3844	4470 (5450)	6650 (8120)	355
17496.756200	3	350	3	0.90	23.0	0.97	24.6	2.36	59.9	2.61	66.2	2.78	70.7	3572	5316	5650 (6730)	8400 (10020)	435
17496.756500	3	500	3	1.02	26.0	1.11	28.2	2.66	67.7	2.91	74.0	3.09	78.6	5004	7447	7440 (8660)	11070 (12880)	536
17496.757000	3	750	2	1.20	30.6	1.29	32.8	3.12	79.4	3.37	85.7	3.57	90.8	7431	11059	10560(11980)	15710 (17830)	668
17496.757500	3	1000	1	1.36	34.5	1.45	36.7	3.46	87.8	3.71	94.2	3.91	99.2	9863	14678	13300(14870)	19790 (22130)	768

*AMPACITY is based on ICEA Publication P 46-426 for 8kV 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)

BICC® BRAND

General Cable

Phone:(800) 338-0901
www.generalcable.com

HVTECK Armored Power, XLPE/PVC/AIA/PVC

15kV, Single Conductor, 100% Ins Level, 175 Mils

Product Construction

Conductor:
- 2 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

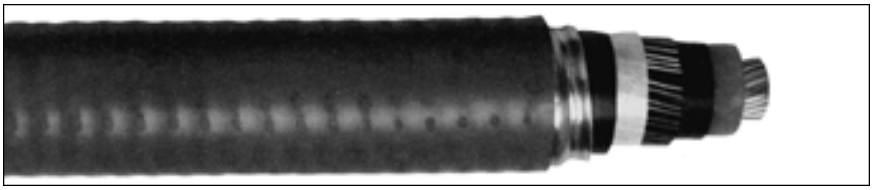
Insulation Shield:
- A semi-conducting thermosetting layer, applied in a triple extrusion process, plus a concentric serving of solid copper wires acting as both a drain wire shield and as a grounding (bonding) conductor
- Color Code: black insulation shield

Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid copper wires applied over the thermosetting insulation shield

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - red



Print:
- GENERAL CABLE® BICC® BRAND 1/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 15KV (100% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

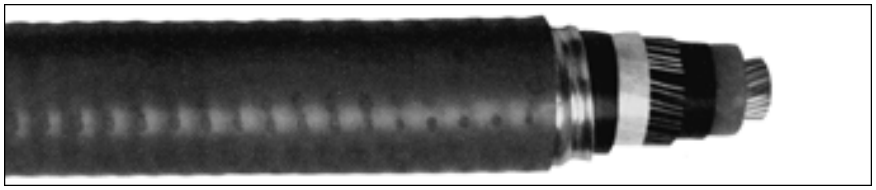
2 AWG THRU 1000 KCMIL CONDUCTORS - SINGLE CONDUCTOR - 15kV, 100% INS. LEVEL, 175 MILS INS. (4.45 mm)

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km	
17496.810200	1	2	6	0.66	16.7	0.72	18.4	0.99	25.3	1.21	30.9	1.33	33.7	304	482	950	1420	195
17496.810100	1	1	4	0.69	17.5	0.75	19.2	1.03	26.1	1.25	31.7	1.36	34.6	408	607	1080	1600	225
17496.815100	1	1/0	4	0.73	18.5	0.79	20.1	1.06	27.0	1.28	32.6	1.40	35.5	477	710	1170	1750	259
17496.815200	1	2/0	4	0.77	19.5	0.83	21.1	1.10	28.1	1.32	33.6	1.44	36.5	564	839	1290	1920	298
17496.815300	1	3/0	3	0.82	20.8	0.88	22.4	1.16	29.4	1.38	34.9	1.49	37.8	711	1058	1470	2190	343
17496.815400	1	4/0	3	0.87	22.0	0.93	23.7	1.21	30.6	1.43	36.2	1.54	39.1	850	1265	1640	2450	397
17496.816000	1	250	2	0.93	23.5	0.99	25.2	1.29	32.7	1.51	38.3	1.64	41.7	1015	1511	1900	2830	440
17496.816200	1	350	1	1.02	26.0	1.11	28.2	1.41	35.8	1.63	41.3	1.76	44.8	1391	2070	2370	3530	543
17496.816500	1	500	1/0	1.14	29.0	1.23	31.2	1.55	39.5	1.80	45.8	1.94	49.2	1930	2872	3080	4590	678
17496.817000	1	750	2/0	1.33	33.7	1.41	35.9	1.80	45.6	2.05	52.0	2.19	55.6	2822	4200	4240	6320	872
17496.817500	1	1000	2/0	1.48	37.6	1.57	39.8	1.98	50.4	2.23	56.8	2.37	60.3	3609	5371	5280	7860	1040

*AMPACITY is based on ICEA Publication P 46-426 for 15kV Cables. 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)

HVTECK Armored Power, XLPE/PVC/AIA/PVC

15kV, Single Conductor, 133% Ins Level, 220 Mils



Product Construction

Conductor:
- 2 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

Insulation Shield:
- A 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 as a grounding (bonding) conductor
- Color Code: black insulation shield

Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid copper wires applied over the thermosetting insulation shield

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - red

Print:
- GENERAL CABLE® BICC® BRAND 1/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 15KV (133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

2 AWG THRU 1000 KCMIL CONDUCTORS - SINGLE CONDUCTOR - 15kV, 133% INS. LEVEL, 220 MILS INS. (5.59 mm)

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/ 1000ft	kg/ km	
17496.216500	1	2	6	0.75	19.1	0.82	20.8	1.09	27.7	1.31	33.3	1.41	35.8	305	454	1028	1530	19
17496.820100	1	1	4	0.78	19.8	0.84	21.5	1.12	28.4	1.34	34.0	1.45	36.9	410	610	1170	1740	225
17496.825100	1	1/0	4	0.82	20.8	0.88	22.5	1.16	29.4	1.38	35.0	1.49	37.9	479	713	1270	1890	259
17496.825200	1	2/0	4	0.86	21.8	0.92	23.5	1.20	30.4	1.42	36.0	1.53	38.9	566	842	1390	2060	298
17496.825300	1	3/0	3	0.91	23.0	0.97	24.7	1.25	31.7	1.47	37.3	1.58	40.2	714	1063	1570	2340	343
17496.825400	1	4/0	3	0.96	24.3	1.02	26.0	1.30	33.0	1.52	38.5	1.65	42.0	854	1271	1780	2650	397
17496.826000	1	250	2	1.02	25.8	1.08	27.5	1.38	35.0	1.60	40.6	1.73	44.1	1020	1518	2010	2990	440
17496.826200	1	350	1	1.12	28.3	1.20	30.5	1.50	38.0	1.72	43.6	1.85	47.1	1396	2078	2490	3700	543
17496.826500	1	500	1/0	1.23	31.3	1.32	33.6	1.65	41.8	1.90	48.1	2.04	51.7	2828	4209	3220	4790	678
17496.827000	1	750	2/0	1.42	36.0	1.51	38.3	1.89	48.0	2.14	54.3	2.28	57.9	3616	5381	4390	6530	872
17496.827500	1	1000	2/0	1.57	39.9	1.68	42.6	2.10	53.3	2.35	59.7	2.52	64.0	8260	5550	5550	8260	1040

*AMPACITY is based on ICEA Publication P 46-426 for 15kV Cables. 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)

HVTECK Armored Power, XLPE/PVC/AIA/PVC

15kV, Three Conductor, 100% Ins Level, 175 Mils

Product Construction

Conductor:
- 2 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

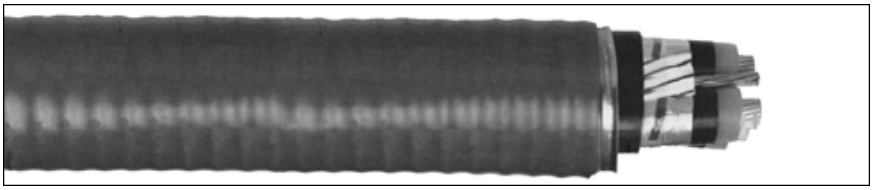
Insulation Shield:
- This consists of a semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: black, red, or blue colored tape placed longitudinally under the copper tape shield

Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - red



Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 15KV (100% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

2 AWG THRU 1000 KCMIL CONDUCTORS - THREE CONDUCTOR - 15kV, 100% INS. LEVEL, 175 MILS INS. (4.45 mm)

CATALOG NUMBER (For steel armor replace 17496 with 17497)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
17496.830200	3	2	6	0.66	16.7	0.72	18.4	1.82	46.3	2.07	52.6	2.21	56.2	787	1171	2370 (3220)	3530 (4790)	164
17496.830100	3	1	6	0.69	17.5	0.75	19.2	1.89	48.0	2.14	54.3	2.28	57.9	955	1421	2620 (3490)	3890 (5190)	187
17496.835100	3	1/0	6	0.73	18.5	0.79	20.1	1.97	50.0	2.22	56.3	2.36	59.9	1163	1731	2900 (3810)	4320 (5670)	215
17496.835200	3	2/0	6	0.77	19.5	0.83	21.1	2.06	52.3	2.31	58.7	2.48	63.0	1429	2127	3330 (4280)	4960 (6370)	246
17496.835300	3	3/0	4	0.82	20.8	0.88	22.4	2.17	55.1	2.42	61.5	2.59	65.9	1812	2697	3840 (4840)	5720 (7200)	283
17496.835400	3	4/0	4	0.87	22.0	0.93	23.7	2.28	57.8	2.53	64.2	2.70	68.6	2228	3316	4360 (5410)	6490 (8050)	325
17496.836000	3	250	4	0.93	23.5	0.99	25.2	2.40	61.1	2.65	67.4	2.83	71.9	2598	3866	4880 (5990)	7260 (8910)	359
17496.836200	3	350	3	1.02	26.0	1.11	28.2	2.67	67.8	2.92	74.1	3.10	78.7	3587	5338	6210 (7430)	9240 (11060)	438
17496.836500	3	500	3	1.14	29.0	1.23	31.2	2.99	75.9	3.24	82.2	3.44	87.3	5013	7460	8180 (9550)	12180 (14200)	536
17496.837000	3	700	2	1.33	33.7	1.41	35.9	3.39	86.1	3.64	92.4	3.84	97.5	7446	1108	11100 (12640)	16520 (18810)	669
17496.837500	3	1000	1	1.48	37.6	1.57	39.8	3.72	94.5	3.97	100.8	4.17	105.9	9376	13953	13890(15580)	20670 (23180)	770

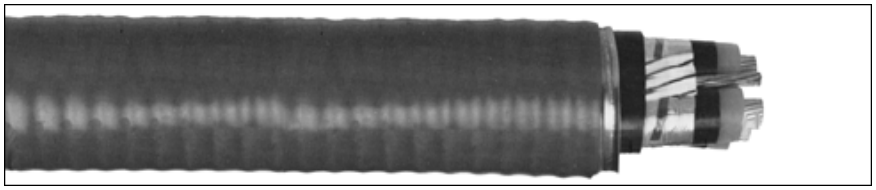
*AMPACITY is based on ICEA Publication P 46-426 for 15kV Cables. Ampacities at other voltage levels do not vary significantly. Special approval by local electrical inspection authorities may be required (Ref. CE Code Part 1, Appendix B, Rule 4-004)

General Cable
Phone:(800) 338-0901
www.generalcable.com

BICC BRAND

HVTECK Armored Power, XLPE/PVC/AIA/PVC

15kV, Three Conductor, 133% Ins Level, 220 Mils



Product Construction

Conductor:
- 2 AWG thru 750 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

Insulation Shield:
- This consists of a semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: 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:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - red

Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 15KV (133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- Other options 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling and plexing

2 AWG THRU 750 KCMIL CONDUCTORS - THREE CONDUCTOR - 15kV, 133% INS. LEVEL, 220 MILS INS. (5.59 mm)

CATALOG NUMBER (For Steel Armor replace 17496 with 17497)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE		lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm					
17496.230200	3	2	6	0.75	19.1	0.82	20.8	2.00	50.8	2.25	57.2	2.43	61.7	793	1180	2665 (3518)	3966 (5235)	164
17496.840100	3	1	6	0.78	19.8	0.84	21.5	2.09	53.0	2.34	59.4	2.51	63.7	964	1435	2970 (3930)	4420 (5850)	187
17496.845100	3	1/0	6	0.82	20.8	0.88	22.5	2.17	55.2	2.42	61.5	2.60	66.0	1175	1749	3300 (4300)	4900 (6390)	215
17496.845200	3	2/0	6	0.86	21.8	0.92	23.5	2.26	57.3	2.51	63.7	2.68	68.1	1438	2140	3650 (4690)	5430 (6980)	246
17496.845300	3	3/0	4	0.91	23.0	0.97	24.7	2.36	60.0	2.61	66.4	2.79	70.8	1821	2710	4140 (5230)	6160 (7780)	283
17496.845400	3	4/0	4	0.96	24.3	1.02	26.0	2.47	62.8	2.72	69.1	2.90	73.6	2248	3345	4680 (5810)	6960 (8650)	325
17496.846000	3	250	4	1.02	25.8	1.08	27.5	2.61	66.2	2.86	72.6	3.04	77.2	2607	3880	5250 (6440)	7810 (9580)	359
17496.846200	3	350	3	1.12	28.3	1.20	30.5	2.93	74.3	3.18	80.7	3.38	85.7	3597	5353	6830 (8170)	10170 (12160)	438
17496.846500	3	500	3	1.23	31.3	1.32	33.6	3.19	81.0	3.44	87.4	3.64	92.4	5022	7474	8600 (10050)	12790 (14950)	536
17496.847000	3	750	2	1.42	36.0	1.51	38.3	3.59	91.1	3.84	97.4	4.04	102.5	7452	11090	11530 (13160)	17160 (19580)	669

*AMPACITY is based on ICEA Publication P 46-426 for 15kV 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)

HVTECK Armored Power, XLPE/PVC/AIA/PVC

25kV, Three Conductor, 100% Ins Level, 260 Mils

Product Construction

Conductor:
- 1 AWG thru 500 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

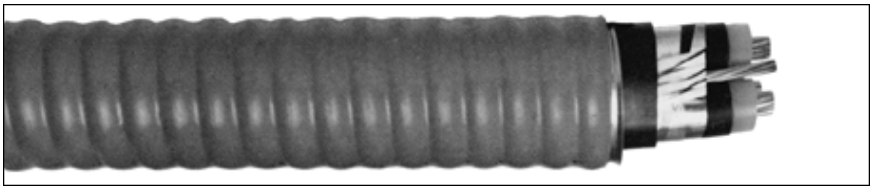
Insulation Shield:
- This consists of a semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: black, red, or blue colored tape placed longitudinally under the copper tape shield

Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - black or as requested



Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 25KV (100% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

1 AWG THRU 500 KCMIL CONDUCTORS - THREE CONDUCTOR - 25kV, 100% INS. LEVEL, 260 MILS INS. (6.60 mm)

CATALOG NUMBER (For Steel Armor replace 17496 with 17497)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE		lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm					
17496.850100	3	1	6	0.86	21.9	0.93	23.5	2.26	57.5	2.51	63.9	2.69	68.3	973	1448	3250 (4300)	4840 (6390)	187
17496.855100	3	1/0	6	0.90	22.8	0.96	24.5	2.34	59.5	2.59	65.9	2.77	70.3	1181	1758	3550 (4630)	5290 (6890)	215
17496.855200	3	2/0	6	0.94	23.8	1.00	25.5	2.43	61.7	2.68	68.1	2.86	72.5	1446	2152	3930 (5040)	5850 (7500)	246
17496.855300	3	3/0	4	0.99	25.1	1.05	26.7	2.54	64.5	2.79	70.9	2.97	75.3	1827	2719	4440 (5600)	6610 (8340)	283
17496.855400	3	4/0	4	1.04	26.4	1.12	28.6	2.70	68.5	2.95	74.8	3.13	79.4	2249	3347	5090 (6320)	7580 (9410)	325
17496.856000	3	250	4	1.10	27.9	1.18	30.1	2.89	73.3	3.14	79.7	3.34	84.8	2619	3898	5900 (7220)	8790 (10750)	359
17496.856200	3	350	3	1.19	30.4	1.28	32.6	3.10	78.8	3.35	85.2	3.55	90.3	3606	5366	7180 (8590)	10680 (12780)	438
17496.856500	3	500	3	1.31	33.4	1.40	35.6	3.36	85.4	3.61	91.7	3.81	96.8	5032	7489	8950 (10480)	13320 (15590)	536

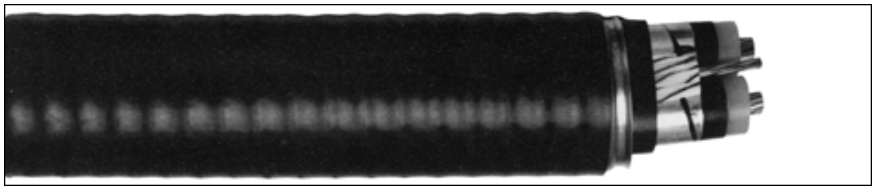
*AMPACITY is based on ICEA Publication P 46-426 for 15kV Cables. Ampacities at other voltage levels do not vary significantly. Special approval by local electrical inspection authorities may be required (Ref. CE Code Part 1, Appendix B, Rule 4-004)

General Cable
Phone:(800) 338-0901
www.generalcable.com

BICC BRAND

HVTECK Armored Power, XLPE/PVC/AIA/PVC

25kV, Three Conductor, 133% Ins Level, 320 Mils



Product Construction

Conductor:
- 1 AWG thru 350 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

Insulation Shield:
- This consists of a semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: 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:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - black or as requested

Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 25KV (133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

1 AWG THRU 350 KCMIL CONDUCTORS - THREE CONDUCTOR - 25kV, 133% INS. LEVEL, 320 MILS INS. (8.13 mm)

CATALOG NUMBER (For Steel Armor replace 17496 with 17497)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE		lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm					
17496.860100	3	1	6	0.98	24.9	1.05	26.6	2.53	64.2	2.78	70.6	2.95	75.0	985	1466	3690 (4850)	5490 (7210)	187
17496.865100	3	1/0	6	1.02	25.9	1.11	28.1	2.66	67.4	2.91	73.8	3.09	78.4	1193	1775	4110 (5330)	6120 (7930)	215
17496.865200	3	2/0	6	1.06	26.9	1.15	29.1	2.74	69.6	2.99	76.0	3.17	80.6	1460	2173	4490 (5740)	6680 (8540)	246
17496.865300	3	3/0	4	1.11	28.1	1.20	30.4	2.91	73.9	3.16	80.3	3.36	85.4	1842	2741	5270 (6600)	7840 (9820)	283
17496.865400	3	4/0	4	1.16	29.4	1.25	31.6	3.02	76.7	3.27	83.0	3.47	88.1	261	3365	5840 (7220)	8700 (10740)	325
17496.866000	3	250	4	1.22	30.9	1.31	33.2	3.16	80.1	3.41	86.5	3.61	91.6	2629	3912	6440 (7880)	9590 (11720)	359
17496.866200	3	350	3	1.32	33.4	1.40	35.7	3.37	85.5	3.62	91.9	3.82	96.9	3615	5380	7720 (9250)	11490 (13770)	438

*AMPACITY is based on ICEA Publication P 46-426 for 15kV 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)

BICC BRAND

General Cable
Phone:(800) 338-0901
www.generalcable.com

HVTECK Armored Power, XLPE/PVC/AIA/PVC

28kV, Three Conductor, 133% Ins Level, 345 Mils

Product Construction

Conductor:
- 1 AWG thru 350 kcmil bare copper Anapact™ compact Class B strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethylene (XLPE)

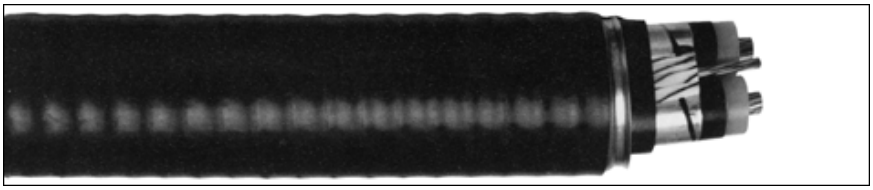
Insulation Shield:
- This consists of a semi-conducting thermosetting layer, applied in a triple extrusion process, plus a helically applied gapped copper tape
- Color Code: black, red, or blue colored tape placed longitudinally under the copper tape shield

Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

Overall Jacket:
- ACID-FLAME-CHECK✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - black or as requested



Print:
- GENERAL CABLE® BICC® BRAND 3/C SIZE (AWG OR KCMIL) COPPER CPT XLPE 28KV (133% INS LEVEL) ACID-FLAME-CHECK ✓✓® CSA HL HVTECK FT4 (-40˚C) MONTH/YEAR (LIGHTNING BOLT SYMBOL) - SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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
- Provide long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1 & 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)
- Hazardous location rating: HL
- CSA Standard C68.3
- CSA Standard C22.2 No. 174
- CSA Approval (file) numbers: LR27161
- Meets 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 lags, 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., lags, pulling eyes, paralleling, and plexing

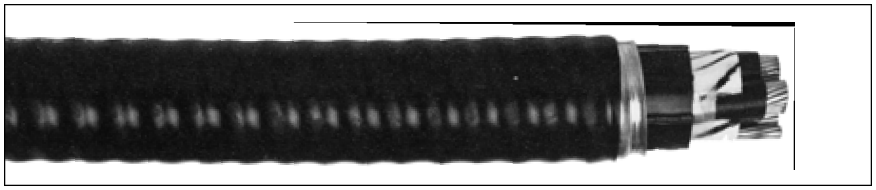
1 AWG THRU 350 KCMIL CONDUCTORS - THREE CONDUCTOR - 28kV, 133% INS. LEVEL, 345 MILS INS. (8.76 mm)

CATALOG NUMBER (For Steel Armor replace 17496 with 17497)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER)										COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY* (40˚C AMBIENT)
				INSULATION		INSULATION SHIELD		INNER JACKET		ARMOR		CABLE		lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm					
17496.890100	3	1	6	1.03	26.2	1.12	28.4	2.68	68.2	2.93	74.5	3.11	79.1	988	1470	3980 (5210)	5930 (7750)	187
17496.895100	3	1/0	6	1.07	27.2	1.16	29.4	2.76	70.2	3.01	76.5	3.21	81.6	1200	1786	4360 (5620)	6490 (8370)	215
17496.895200	3	2/0	6	1.11	28.2	1.20	30.4	2.91	74.0	3.16	80.3	3.36	85.4	1466	2182	4950 (6280)	7370 (9350)	246
17496.895300	3	3/0	4	1.16	29.4	1.25	31.6	3.02	76.7	3.27	83.0	3.47	88.1	1848	2750	5490 (6860)	8160 (10210)	283
17496.895400	3	4/0	4	1.21	30.7	1.30	32.9	3.14	79.6	3.39	86.0	3.59	91.1	2264	3369	6090 (7510)	9060 (11180)	325
17496.896000	3	250	4	1.27	32.2	1.36	34.4	3.26	82.9	3.51	89.2	3.71	94.3	2635	3921	6660 (8140)	9910 (12120)	359
17496.896200	3	350	3	1.37	34.7	1.45	36.9	3.47	88.2	3.72	94.6	3.92	99.7	3621	5389	7960 (9540)	11840 (14190)	438

*AMPACITY is based on ICEA Publication P 46-426 for 15kV 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)

VERTITECK® TECK90 Armored Power, XLPE/PVC/GSIA/PVC

1kV, Three Conductor



Product Construction

Conductor:

- 1/0 AWG thru 1000 kcmil bare copper Anapact™ compact strand

Insulation:

- Cross-Linked Polyethene (XLPE) Type RW90
- Color Code: Printed numbers

Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) jacket with raised ribs

Armor:

- Galvanized Steel Interlocked Armor (GSIA)

Overall Jacket:

- Acid-Flame-Check✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) - black

Print:

- GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL VERTITECK GSIA XLPE (-40˚C) 3/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR"SEQUENTIALPRINT

Options:

- Three ground (bonding) conductors
- Other constructions available upon request

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 & 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
- 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:

- CSA FT1& 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)
- Hazardous location rating: HL
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval (file) number: LR1781
- Meets EPA 40 CFR part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lags, 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., lags, pulling eyes, paralleling, and plexing

1/0 AWG THRU 1000 KCMIL CONDUCTORS - THREE CONDUCTOR - 1000V

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ STEEL ARMOR		AMPACITY* (30˚C AMBIENT)	MAXIMUM SELF-SUPPORTING LENGTH** (m)
						INNER JACKET		ARMOR		CABLE							
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km		
11289.415100	3	1/0	6	.080	2.03	1.47	37.4	1.57	40.0	1.70	43.1	1082	1610	2520	3760	155	212
11289.415200	3	2/0	6	.080	2.03	1.56	39.7	1.66	42.2	1.79	45.4	1342	1997	2880	4280	185	232
11289.415300	3	3/0	4	.080	2.03	1.67	42.3	1.77	44.9	1.89	48.1	1719	2558	3360	5000	210	254
11289.415400	3	4/0	4	.080	2.03	1.78	45.1	1.91	48.4	2.04	51.7	2133	3174	4080	6080	235	260
11289.416000	3	250	4	.090	2.29	1.98	50.2	2.11	53.5	2.24	56.8	2498	3718	4790	7130	265	270
11289.416200	3	350	3	.090	2.29	2.19	55.6	2.32	58.9	2.48	63.0	2475	5171	6100	9080	325	288
11289.416500	3	500	2	.090	2.29	2.45	62.2	2.58	65.5	2.74	69.7	4891	7279	7900	11760	395	***
11289.417000	3	750	2	.090	2.29	2.85	72.3	2.98	75.6	3.15	79.9	7306	10873	10830	16110	500	***
11289.417500	3	1000	1	.090	2.29	3.24	82.3	3.37	85.6	3.56	90.4	9714	14456	13970	20780	585	***

*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.
*** Contact your nearest General Cable sales office for information on these lengths.

VERTITECK® TECK90 Armored Power, Unshielded, XLPE/PVC/GSIA/PVC 5kV, Three Conductor, 90 Mils

Product Construction

Conductor:
- 1/0 AWG thru 500 kcmil bare copper Anapact™ compact strand

Strand Shield:
- A thermoset semi-conducting strand shield is extruded over the conductor

Insulation:
- Cross-Linked Polyethene (XLPE) Type RW90
- Color Code: Printed numbers

Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

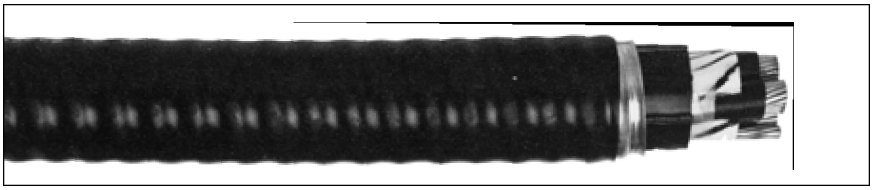
Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC) jacket with raised ribs

Armor:
- Galvanized Steel Interlocked Armor (GSIA)

Jacket:
- Acid-Flame-Check✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)
- Color code - orange

Print:
- GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL VERTITECK GSIA XLPE (-40˚C) 3/C SIZE (AWG OR KCMIL) 5000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIALPRINT

Options:
- Three ground (bonding) conductors
- Other constructions available upon request



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 & 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
- Lighter than mine shaft cable with conventional steel wire armor (SWA)
- More flexible than SWA cables resulting in easier handling during installation

Features (con't):
- Terminations and connections to electrical cabinets are similar to standard TECK90 cables
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA FT1& 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)
- Hazardous location rating: HL
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval (file) number: LR1781
- Meets EPA 40 CFR part 261 for leachable lead content per TCLP method
- OSHAacceptable

Packaging:
- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lags, 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., lags, pulling eyes, paralleling, and plexing

1/0 AWG THRU 500 KCMIL CONDUCTORS - THREE CONDUCTOR - 5KV UNSHIELDED, 90 MILS INS. (2.29 mm)

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	NOMINAL DIAMETER (OVER) INNER JACKET INCHES	INNER JACKET mm	ARMOR INCHES	ARMOR mm	CABLE INCHES	CABLE mm	COPPER WEIGHT lbs/1000ft	COPPER WEIGHT kg/km	NET WEIGHT W/ STEEL ARMOR lbs/1000ft	NET WEIGHT W/ STEEL ARMOR kg/km	AMPACITY* (30˚C AMBIENT)	MAXIMUM SELF-SUPPORTING LENGTH** (M)
17497.055100	3	1/0	6	1.59	40.4	1.69	42.9	1.81	46.1	1082	1610	2700	4020	155	200
17497.055200	3	2/0	6	1.68	42.6	1.78	45.1	1.90	48.3	1343	1999	3060	4550	185	221
17497.055300	3	3/0	4	1.78	45.3	1.88	47.8	2.01	51.0	1720	2560	3550	5280	210	240
17497.055400	3	4/0	4	1.89	48.0	2.02	51.3	2.15	54.6	2133	3174	4290	6380	235	249
17497.056000	3	250	4	2.08	52.8	2.21	56.1	2.34	59.4	2498	3718	4990	7430	265	251
17497.056200	3	350	3	2.30	58.3	2.43	61.6	2.59	65.8	3476	5173	6340	9430	325	278
17497.056500	3	500	2	2.55	64.8	2.68	68.1	2.84	72.3	4892	7280	8130	12100	395	230

*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.

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