Armored Power Cables

The Power of One source provides more options and the widest range of standard, specialized, and custom-engineered cables for every application. From basic to the best, General Cable offers custom solutions to meet your specific requirements and thereby ensure the perfect fit for any job.

Today's Armored instrumentation, power, and control cables are subject to a myriad of extreme environment and performance standards. For more that two decades General Cable has developed a wide range of BICC® Brand cables designed to perform under very demanding physical and chemical conditions. Our armored cable line incorporates products designed to outperform expectations for any applications including several varieties of UL Listed, Type MC, Type MC-HL, Type MV-90/ MC-HL and Type MV-105/ MC-HL.

BICC® Brand TECK90, HVTECK and VERTITECK® cables have become the most popular industrial cables used today. As a self-contained "wire-in-conduit" system, TECK90 offers an economical, rugged, and reliable alternative to time and labor intensive hard wiring methods. HVTECK also includes 5kV to 35kV shielded products. VERTITECK is a suitable cable for vertical installations.

Our Duralox® product line provides a broad line of Aluminum Interlocked Armor (AIA) cables suitable for applications where environmental factors require cable with characteristics that include flame-retardance and resistance to moisture and chemicals. Duralox® is a cost effective alternative to installations in conduit. Duralox® can also be constructed with Galvanized Steel Interlocked Armor (GSIA).

BICC® Brand Philsheath® armored instrumentation, power, and control cables employ an impervious, corrugated, continuous seam welded, aluminum alloy armor. These cables offer economical, rugged and reliable armored constructions.

At General Cable, we are working to set new standards, increase reliability, enhance performance and ensure cost-effective solutions for our customers.

ARMORED POWER CABLES

PRODUCT LINE	AWG RANGE	INSULATION	JACKET	VOLTAGE	UL LISTING
TECK90	14 - 1000	XLPE	PVC	600V, 1kV, 5kV	CSA/TECK90
HVTECK	6 - 1000	XLPE	PVC	5kV - 28kV	CSA/TECK90
VERTITECK®	1/0 - 1000	XLPE	PVC	1kV & 5kV	CSA/TECK90
DURALOX®	14 - 1000	XLPE	PVC	600V 5kV - 35kV	MC MC/MV-90 MC/MV-105
PHILSHEATH®	20 - 16 14 - 1000 6-1000	PVC XLPE EPR	PVC PVC PVC	300V, 600V 600V 5kV - 35kV	PLTC/ITC, MC MC, MC-HL MV-90/MC MV-105/MC-HL

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TECK90 Armored Power, XLPE/PVC/AIA/PVC

600V, Multi-Conductor

Product Construction

Conductor:
- 14 AWG thru 10 AWG bare copper Class B compressed concentric round to ASTM B8

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90

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

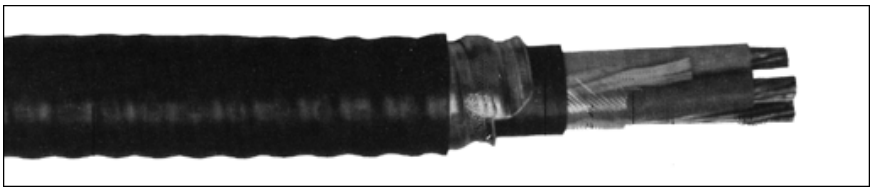
Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

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

Print:
- GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40˚C)#/C SIZE (AWG) 600V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval number: LR1781
- 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
- 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

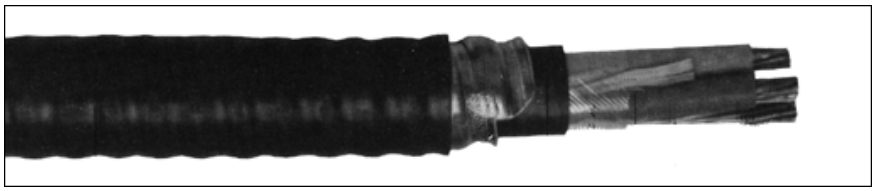
14 AWG THRU 10 AWG CONDUCTORS - MULTI-CONDUCTOR - 600V, 30 MILS INS (.76 mm)

CATALOG NUMBER	NO. OF COND.	COND. (AWG) 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/ AL (STEEL) ARMOR lbs/ 1000ft	NET WEIGHT W/ AL (STEEL) ARMOR kg/ km	AMPACITY* (30˚C AMBIENT)
780220	2	14	14	0.37	9.4	0.53	13.5	0.62	15.7	39.8	59.23	190 (310)	290 (460)	15
780210	2	12	14	0.40	10.2	0.56	14.2	0.66	16.8	54.2	80.7	220 (350)	330 (520)	20
780200	2	10	12	0.45	11.4	0.61	15.5	0.71	18.0	86.1	128.1	280 (420)	410 (620)	30
780250	3	14	14	0.39	9.9	0.55	14.0	0.64	16.3	51.8	77.1	220 (340)	320 (500)	15
780240	3	12	14	0.43	10.9	0.59	15.0	0.69	17.5	74.8	111.3	260 (390)	380 (580)	20
780230	3	10	12	0.48	12.2	0.64	16.3	0.74	18.8	48.8	28.0	320 (470)	480 (700)	30
780280	4	14	14	0.42	10.7	0.58	14.7	0.68	17.3	118.8	176.8	250 (380)	370 (570)	15
780320	4	12	14	0.47	11.9	0.63	16.0	0.73	18.5	98.4	146.4	300 (440)	440 (660)	20
780270	4	10	12	0.53	13.5	0.69	17.5	0.79	20.1	151.6	225.6	380 (540)	560 (800)	30
784540	5	14	14	0.46	11.7	0.62	15.7	0.72	18.3	77.1	114.7	280 (420)	420 (630)	12
312910	5	12	14	0.51	13.0	0.67	17.0	0.77	19.6	115.8	172.3	340 (500)	510 (740)	16
319480	5	10	12	0.61	15.5	0.77	19.6	0.87	22.1	183.9	273.7	460 (640)	680 (950)	24
792940	6	14	14	0.50	12.7	0.66	16.8	0.76	19.3	90.4	134.5	310 (460)	460 (690)	12
331190	6	12	14	0.59	15.0	0.75	19.1	0.85	21.6	136.3	202.8	410 (580)	610 (870)	16
333160	6	10	12	0.66	16.8	0.82	20.8	0.92	23.4	216.7	322.5	520 (720)	780 (1070)	24

*AMPACITY is based on CE Code Part 1: Table 2 for 3 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current carrying conductors and 1 neutral. Ampacity at 5 or more conductors is modified by Table 5C

TECK90 Armored Power, XLPE/PVC/AIA/PVC

600V, Multi-Conductor



Product Construction

Conductor:
- 14 AWG thru 10 AWG bare copper Class B compressed concentric round to ASTM B8

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90

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

Print:
- GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40˚C)#/C SIZE (AWG) 600V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval number: LR1781
- 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
- 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

14 AWG THRU 10 AWG CONDUCTORS - MULIT-CONDUCTOR - 600V, 30 MILS INS (.76 mm)

CATALOG NUMBER	NO. OF COND.	COND. AWG 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/ AL (STEEL) ARMOR lbs/ 1000ft	NET WEIGHT W/ AL (STEEL) ARMOR kg/ km	AMPACITY* (30˚C AMBIENT)
780310	7	14	14	0.50	12.7	0.66	16.8	0.76	19.3	103.4	153.9	330 (480)	490 (710)	10.5
315020	7	12	14	0.59	15.0	0.75	19.1	0.85	21.6	156.8	233.4	430 (600)	640 (900)	14
346870	7	10	12	0.66	16.8	0.82	20.8	0.92	23.4	249.2	370.9	550 (750)	820 (1120)	21
330090	8	14	14	0.59	15.0	0.75	19.1	0.85	21.6	116.1	172.8	390 (570)	580 (850)	10.5
311560	8	12	14	0.66	16.8	0.82	20.8	0.91	23.1	177.2	263.7	480 (690)	720 (1020)	14
318740	8	10	12	0.74	18.8	0.90	22.9	0.99	25.1	281.5	418.9	620 (850)	930 (1260)	21
792960	10	14	14	0.69	17.5	0.85	21.6	0.94	23.9	142.0	211.3	460 (670)	690 (990)	10.5
304030	10	12	14	0.76	19.3	0.98	24.9	1.02	25.9	218.3	324.9	590 (810)	870 (1210)	14
311570	10	10	12	0.90	22.9	1.12	28.4	1.22	31.0	347.0	517.0	870 (1230)	1290 (1830)	21
792980	12	14	14	0.71	18.0	0.87	22.1	0.96	24.4	168.4	250.6	500 (710)	750 (1060)	10.5
331130	12	12	14	0.79	21.0	1.00	25.4	1.10	27.9	260.2	387.2	690 (1010)	1020 (1500)	14
317890	12	10	12	0.93	23.6	1.14	29.0	1.25	31.8	413.5	615.4	950 (1320)	1410 (1960)	21
793000	15	14	14	0.78	19.8	1.00	25.4	1.04	26.4	207.3	308.5	590 (820)	870 (1220)	10.5
312990	15	12	14	0.91	23.1	1.13	28.7	1.23	31.2	321.8	478.9	850 (1220)	1270 (1820)	14
318750	15	10	12	1.03	26.2	1.25	31.8	1.35	34.3	511.7	761.5	1120 (1530)	1660 (2280)	21

*AMPACITY is based on CE Code Part 1: Table 2 for 3 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current carrying conductors and 1 neutral. Ampacity at 5 or more conductors is modified by Table 5C

TECK90 Armored Power, XLPE/PVC/AIA/PVC

600V, Multi-Conductor

Product Construction

Conductor:
- 14 AWG thru 10 AWG bare copper Class B compressed concentric round to ASTM B8

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90

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

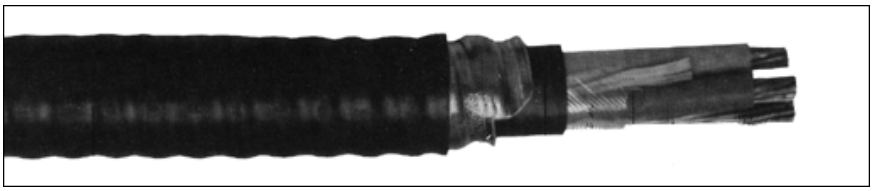
Inner Jacket:
- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)

Armor:
- Aluminum Interlocked Armor (AIA)

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

Print:
- GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40˚C)#/C SIZE (AWG) 600V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL PRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval number: LR1781
- CSA FT1 & FT4
- IEEE 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4

Compliances (con't):
- ICEA T-30-520 (70,000 BTU/hr)
- Hazardous Location Rating: HL
- 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

14 AWG THRU 10 AWG CONDUCTORS - MULTI-CONDUCTOR - 600V, 30 MILS INS (.76 mm)

CATALOG NUMBER	NO. OF COND.	COND. (AWG) 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/ AL (STEEL) ARMOR lbs/ 1000ft	NET WEIGHT W/ AL (STEEL) ARMOR kg/ km	AMPACITY* (30˚C AMBIENT)
780290	20	14	14	0.91	23.1	1.12	28.4	1.23	31.2	272.0	405.0	810 (1180)	1210 (1760)	10.5
299950	20	12	14	1.01	25.7	1.23	31.2	1.33	33.8	425.0	632.0	1030 (1440)	1530 (2140)	14
308180	20	10	12	1.14	29.0	1.36	34.5	1.46	37.1	675.0	1005.0	1360 (1810)	2020 (2700)	21
308190	25	14	14	1.00	25.4	1.22	31.0	1.32	33.5	336.8	501.2	940 (1340)	1400 (2000)	9
307470	25	12	14	1.11	28.2	1.33	33.8	1.43	36.3	527.4	784.9	1210 (1660)	1800 (2470)	12
307450	25	10	12	1.26	32.0	1.48	37.6	1.58	40.1	838.1	1248.0	1620 (2120)	2410 (3150)	18
333750	30	14	14	1.05	26.7	1.27	32.3	1.37	34.8	401.6	597.7	1050 (1470)	1560 (2290)	9
318730	30	12	14	1.17	29.7	1.39	35.3	1.50	38.1	631.1	939.2	1360 (1830)	2030 (2720)	12
293570	30	10	12	1.33	33.8	1.55	39.4	1.68	42.7	1002.9	1492.5	1870 (2400)	2790 (3570)	18
330280	40	14	14	1.18	30.0	1.40	35.6	1.50	38.1	531.1	790.4	1280 (1750)	1910 (2610)	9
346880	40	12	14	1.32	33.5	1.54	39.1	1.66	42.2	837.1	1245.8	1730 (2250)	2570 (3350)	12
307460	40	10	12	1.49	37.8	1.71	43.4	1.84	46.7	1330.3	1979.8	2340 (2930)	3490 (4370)	18
299980	50	14	14	1.32	33.5	1.54	39.1	1.67	42.4	660.7	983.3	1560 (2090)	2320 (3110)	7.5
346890	50	12	14	1.48	37.6	1.70	43.2	1.83	46.5	1043.2	1552.5	2060 (2650)	3070 (3940)	10
346900	50	10	12	1.69	42.9	1.94	49.3	2.07	52.6	1658.0	246.7	2900 (3690)	4320 (5490)	15

*AMPACITY is based on CE Code Part 1: Table 2 for 3 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current carrying conductors and 1 neutral. Ampacity at 5 or more conductors is modified by Table 5C

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

BICC BRAND

TECK90 Armored Power, XLPE/PVC/AIA/PVC

1000V, Single Conductor

Product Construction

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

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90

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

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

Print:
- GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40˚C)1/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIALPRINT

Options:
- 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

Features:
- Rated at 90˚C
- 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 Standard C22.2 No. 131 & No. 174
- CSA Approval number: LR1781
- 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
- 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

6 AWG THRU 1000 KCMIL CONDUCTORS - SINGLE CONDUCTOR - 1000V

CATALOG NUMBER	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	MIN. AVG INS. THICKNESS		NOMINAL DIAMETER (OVER) INNER JACKET		ARMOR		CABLE		COPPER WEIGHT		NET WEIGHT		AMPACITY* (30˚C AMBIENT)
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
11288.040600	1	6	8	.060	1.52	0.45	11.4	0.61	15.5	0.71	18.0	141	210	320	470	100
11288.050400	1	4	6	.060	1.52	0.49	12.5	0.65	16.6	0.75	19.1	222	330	410	610	135
11288.030300	1	3	6	.060	1.52	0.52	13.2	0.68	17.2	0.78	19.7	257	382	450	680	155
11288.050200	1	2	6	.060	1.52	0.55	13.9	0.71	18.0	0.81	20.5	300	446	510	760	180
11288.050100	1	1	4	.080	2.03	0.65	16.6	0.81	20.6	0.91	23.1	403	600	680	1010	210
11288.035100	1	1/0	4	.080	2.03	0.69	17.5	0.85	21.6	0.95	24.1	471	701	760	1130	245
11288.035200	1	2/0	4	.080	2.03	0.73	18.6	0.89	22.6	0.99	25.1	558	830	860	1280	285
11288.035300	1	3/0	3	.080	2.03	0.78	19.8	1.00	25.4	1.10	27.9	706	1051	1080	1610	330
11288.025400	1	4/0	3	.080	2.03	0.83	21.1	1.05	26.7	1.15	29.2	845	1285	1240	1850	385
11288.026000	1	250	2	.090	2.29	0.95	24.0	1.17	29.6	1.27	32.2	1008	1500	1490	2210	425
11288.036200	1	350	1	.090	2.29	1.05	26.6	1.27	32.2	1.37	34.8	1386	2063	1910	2840	530
11288.026500	1	500	1/0	.090	2.29	1.19	30.3	1.41	35.8	1.51	38.4	1925	2865	2510	3740	660
11288.027000	1	750	2/0	.090	2.29	1.38	35.0	1.60	40.6	1.72	43.8	2815	4189	3510	5230	845
11288.027500	1	1000	2/0	.090	2.29	1.53	38.9	1.78	45.3	1.91	48.4	3601	5359	4430	6590	1000

*AMPACITY is based on CE Code Part 1: Table 1 (single conductor in free air) and Rule 4-004

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

TECK90 Armored Power, XLPE/PVC/AIA/PVC

1000V, Two Conductor

Product Construction

Conductor:
- 14 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90
- Color code: 14 AWG to 2 AWG - black and white; 1 AWG to 1000 kcmil - printed numbers

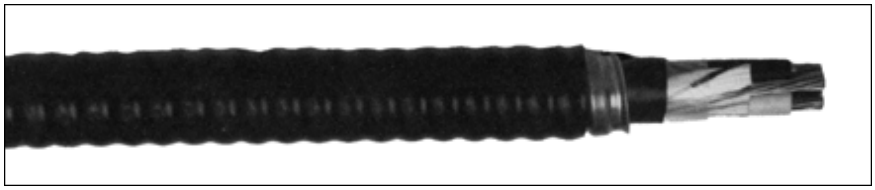
Ground (Bonding) Conductor:
- The conductor consists of one uninsulated stranded bare copper conductor

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

Armor:
- Aluminum Interlocked Armor (AIA)

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

Print: See below



Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174

Compliances (con't):
- CSA Approval numbers: LR1781
- 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
- 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

14 AWG THRU 1000 KCMIL CONDUCTORS - TWO CONDUCTOR - 1000V

CATALOG NUMBER (For Steel Armor replace 11288 with 11289)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	MIN. AVG INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY** (30˚C AMBIENT)
						INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km	lbs/1000ft	kg/km	
794520*	2	14	14	.045	1.14	0.43	11.0	0.59	15.1	0.69	17.6	39	58	220 (360)	330 (530)	15
308550*	2	12	14	.045	1.14	0.47	12.0	0.63	16.1	0.73	18.5	54	81	250 (400)	380 (590)	20
793140*	2	10	12	.045	1.14	0.52	13.3	0.68	17.3	0.78	19.8	86	128	310 (460)	450 (690)	30
331260*	2	8	10	.045	1.14	0.63	16.0	0.79	20.0	0.89	22.5	137	204	410 (600)	620 (900)	45
11288.220600	2	6	8	.060	1.52	0.73	18.7	0.89	22.7	0.99	25.2	218	324	560 (780)	830 (1150)	65
11288.220400	2	4	8	.060	1.52	0.82	20.9	1.04	26.5	1.14	29.0	315	469	760 (1090)	1120 (1620)	85
11288.220300	2	3	6	.060	1.52	0.91	23.2	1.13	28.8	1.24	31.4	415	618	930 (1300)	1380 (1930)	105
11288.220200	2	2	6	.060	1.52	0.97	24.7	1.19	30.3	1.29	32.9	502	747	1050 (1440)	1560 (2150)	120
11288.220100	2	1	6	.080	2.03	1.12	28.4	1.34	34.0	1.44	36.6	612	911	1270 (1720)	1890 (2550)	140
11288.225100	2	1/0	6	.080	2.03	1.19	30.3	1.41	35.9	1.51	38.5	749	1115	1450 (1930)	2160 (2870)	155
11288.225200	2	2/0	6	.080	2.03	1.28	32.4	1.50	38.0	1.60	40.6	922	1372	1680 (2190)	2500 (3250)	185
11288.225300	2	3/0	4	.080	2.03	1.38	34.9	1.60	40.5	1.72	43.7	1190	1771	2040 (2590)	3040 (3850)	210
11288.225400	2	4/0	4	.080	2.03	1.48	37.5	1.70	43.1	1.82	46.2	1466	2182	2380 (2960)	3540 (4410)	235
11288.226000	2	250	4	.090	2.29	1.61	40.8	1.86	47.1	1.98	50.3	1709	2543	2800 (3550)	4160 (5280)	265
11288.226200	2	350	3	.090	2.29	1.86	47.3	2.11	53.7	2.24	57.0	2373	3561	3720 (4590)	5540 (6820)	325
11288.226500	2	500	3	.090	2.29	2.11	53.5	2.36	59.8	2.52	63.9	3316	4935	4990 (5960)	7420 (8860)	395
11288.227000	2	750	2	.090	2.29	2.47	62.7	2.72	69.1	2.88	73.3	4941	7353	6890 (8020)	10250 (11940)	500
11288.227500	2	1000	1	.090	2.29	2.84	72.1	3.09	78.5	3.28	83.3	6562	9766	9050 (10350)	13470 (15400)	585

* Contact customer service for steel catalog number

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

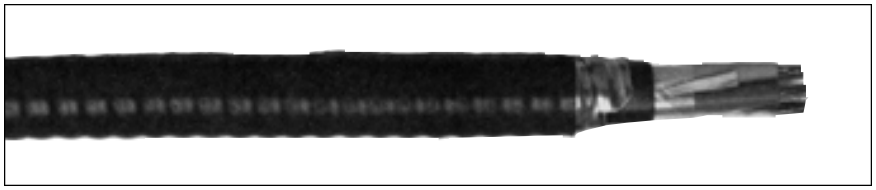
PRINT: GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓ AG14 FT1 FT4 HL TECK90 XLPE (-40˚C) 2/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL PRINT

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

BICC BRAND

TECK90 Armored Power, XLPE/PVC/AIA/PVC

1000V, Three Conductor



Product Construction

Conductor:
- 14 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90
- Color code: 14 AWG to 2 AWG - black, red and blue; 1 AWG to 1000 kcmil - 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)

Armor:
- Aluminum Interlocked Armor (AIA)

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

Print: See below

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush resistance, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval numbers: LR1781
- 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
- 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

14 AWG THRU 1000 KCMIL CONDUCTORS - THREE CONDUCTOR - 1000V

CATALOG NUMBER (For Steel Armor replace 11288 with 11289)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	MIN. AVG INS. THICKNESS		NOMINAL DIAMETER (OVER) INNER JACKET		ARMOR		CABLE		COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY** (30˚C AMBIENT)
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km	lbs/1000ft	kg/km	
330520*	3	14	14	.045	1.14	0.46	11.7	0.62	15.7	0.72	18.2	52	77	250 (390)	380 (590)	15
780260*	3	12	14	.045	1.14	0.50	12.7	0.66	16.8	0.76	19.3	75	111	290 (450)	440 (660)	20
331120*	3	10	12	.045	1.14	0.58	14.9	0.74	18.9	0.84	21.4	118	176	380 (560)	570 (830)	30
793200*	3	8	10	.045	1.14	0.67	16.9	0.83	21.0	0.92	23.5	189	281	490 (690)	730 (1030)	45
11288.010600	3	6	8	.060	1.52	0.78	19.8	0.94	23.9	1.04	26.4	300	446	670 (900)	990 (1330)	65
11288.010400	3	4	8	.060	1.52	0.92	23.3	1.14	28.8	1.24	31.4	447	665	960 (1330)	1430 (1980)	85
11288.010300	3	3	6	.060	1.52	0.97	24.6	1.19	30.2	1.29	32.8	582	866	1120 (1510)	1670 (2250)	105
11288.010200	3	2	6	.060	1.52	1.04	26.3	1.26	31.9	1.36	34.5	711	1058	1290 (1710)	1920 (2540)	120
11288.010100	3	1	6	.080	2.03	1.19	30.3	1.41	35.8	1.51	38.4	877	1305	1570 (2050)	2340 (3040)	140
11288.015100	3	1/0	6	.080	2.03	1.27	32.3	1.49	37.9	1.60	40.5	1082	1610	1830 (2330)	2720 (3470)	155
11288.015200	3	2/0	6	.080	2.03	1.36	34.6	1.58	40.2	1.71	43.3	1342	1997	2180 (2720)	3240 (4040)	185
11288.015300	3	3/0	4	.080	2.03	1.47	37.3	1.69	42.8	1.81	46.0	1719	2558	2610 (3190)	3880 (4740)	210
11288.015400	3	4/0	4	.080	2.03	1.58	40.0	1.83	46.4	1.95	49.5	2133	3174	3150 (3890)	4690 (5780)	235
11288.016000	3	250	4	.090	2.29	1.78	45.1	2.03	51.5	2.16	54.8	2498	3718	3760 (4590)	5600 (6830)	265
11288.016200	3	350	3	.090	2.29	1.99	50.5	2.24	56.9	2.37	60.2	2475	3683	4880 (5800)	7270 (8640)	325
11288.016500	3	500	3	.090	2.29	2.25	57.1	2.50	63.5	2.66	67.6	4891	7279	6620 (7660)	9850(11390)	395
11288.017000	3	750	2	.090	2.29	2.65	67.2	2.90	73.5	3.07	77.9	7306	10873	9320(10530)	13870 (15680)	500
11288.017500	3	1000	1	.090	2.29	3.04	77.2	3.29	83.6	3.48	88.4	9714	14456	12240 (13630)	18210 (20280)	585

* Contact customer service for steel catalog number

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

PRINT: GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK✓✓ AG14 FT1 FT4 HL TECK90 XLPE (-40˚C) 3/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL PRINT

BICC® BRAND

General Cable

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

TECK90 Armored Power, XLPE/PVC/AIA/PVC

1000V, Four Conductor

Product Construction

Conductor:
- 14 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 1000 kcmil bare copper Anapact™ compact Class B strand

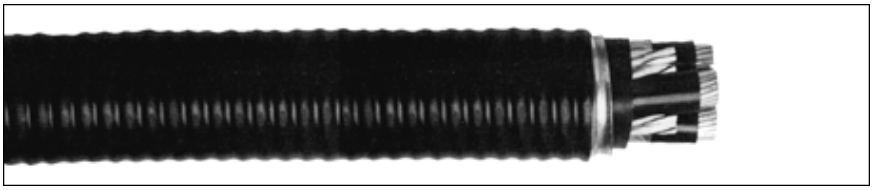
Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90
- Color code: 14 AWG to 2 AWG - black, red, blue and white; 1 AWG to 1000 kcmil - printed numbers

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

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

Armor:
- Aluminum Interlocked Armor (AIA)

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



Print: See below

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval numbers: LR1781
- 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
- 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

14 AWG THRU 1000 KCMIL CONDUCTORS - FOUR CONDUCTOR - 1000V

CATALOG NUMBER (For Steel Armor replace 11288 with 11289)	NO. OF COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	MIN. AVG INS. THICKNESS		NOMINAL DIAMETER (OVER) INNER JACKET		ARMOR		CABLE		COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY** (30˚C AMBIENT)
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/1000ft	kg/km	lbs/1000ft	kg/km	
346910*	4	14	14	.045	1.14	0.50	12.8	0.66	16.9	0.76	19.3	65	96	290 (440)	430 (660)	15
793180*	4	12	14	.045	1.14	0.58	14.7	0.74	18.8	0.84	21.3	95	141	360 (540)	540 (800)	20
793160*	4	10	12	.045	1.14	0.64	16.3	0.80	20.4	0.90	22.9	152	226	450 (640)	670 (960)	30
331250*	4	8	10	.045	1.14	0.73	18.5	0.89	22.6	0.99	25.1	241	359	580 (800)	870 (1190)	45
11288.030600	4	6	8	.060	1.52	0.86	21.8	1.08	27.4	1.18	29.9	383	570	860 (1210)	1280 (1800)	65
11288.020400	4	4	8	.060	1.52	1.00	25.5	1.22	31.1	1.33	33.7	579	862	1160 (1560)	1730 (2330)	85
11288.020300	4	3	6	.060	1.52	1.07	27.1	1.29	32.7	1.39	35.2	749	1115	1360 (1790)	2030 (2670)	105
11288.020200	4	2	6	.060	1.52	1.14	28.9	1.36	34.5	1.46	37.1	920	1370	1580 (2030)	2350 (3030)	120
11288.040100	4	1	6	.080	2.03	1.31	33.4	1.53	39.0	1.66	42.1	1141	1698	1980 (2500)	2910 (3720)	140
11288.025100	4	1/0	6	.080	2.03	1.40	35.6	1.62	41.2	1.75	44.4	1415	2106	2310 (2870)	3440 (4270)	155
11288.025200	4	2/0	6	.080	2.03	1.50	38.2	1.72	43.7	1.85	46.9	1762	2622	2720 (3320)	4050 (4930)	185
11288.025300	4	3/0	4	.080	2.03	1.62	41.2	1.87	47.5	2.00	50.7	2248	3345	3340 (4100)	4970 (6100)	210
11288.045400	4	4/0	4	.080	2.03	1.80	45.8	2.05	52.1	2.18	55.4	2800	4167	4110 (4940)	6110 (7360)	235
11288.046000	4	250	4	.090	2.29	1.96	49.8	2.21	56.1	2.34	59.4	3286	4890	4740 (5650)	7060 (8410)	265
11288.026200	4	350	3	.090	2.29	2.20	56.0	2.45	62.3	2.62	66.5	4579	6814	6310 (7330)	9390 (10900)	325
11288.036500	4	500	3	.090	2.29	2.49	63.2	2.74	69.5	2.90	73.7	6466	9623	8460 (9600)	12590 (14290)	395
11288.057000	4	750	2	.090	2.29	2.99	76.0	3.24	82.4	3.43	87.2	9672	14394	12290(13650)	18290 (20320)	500
11288.037500	4	1000	1	.090	2.29	3.37	85.5	3.62	91.9	3.81	96.7	12866	19147	15790(17320)	23500 (25780)	585

* Contact customer service for steel catalog number

**Ampacity is based on CE Code Part 1: Table 2 (Three conductors in raceway [conduit]) and Rule 4-004. Ampacity of 4 conductor cable is based on 3 current carrying conductors and 1 neutral

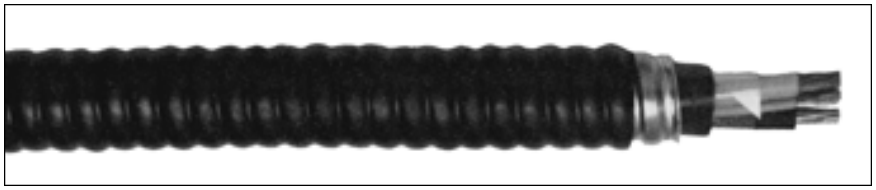
PRINT: GENERAL CABLE® BICC® BRAND ACID-FLAME-CHECK ✓✓ AG14 FT1 FT4 HL TECK90 XLPE (-40˚C) 4/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL PRINT

General Cable

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

BICC BRAND

TECK90 Armored Power/Control Composite, XLPE/PVC/AIA/PVC 600V, Three Power & Three 14 AWG Control Conductors



Product Construction

Conductor:
- 12 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 4/0 AWG bare copper Anapact™ compact Class B strand

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90
- Color code: 14 AWG to 2 AWG - black, red and blue; 1 AWG to 1000 kcmil - 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)

Armor:
- Aluminum Interlocked Armor (AIA)

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 TECK90 XLPE (-40˚C)3/C SIZE (AWG) +3/C #14 AWG 600V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIALPRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval numbers: LR1781
- 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
- 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

12 AWG THRU 4/0 AWG CONDUCTORS - THREE POWER CONDUCTORS & THREE 14 AWG CONTROL CONDUCTORS - 30 MILS (.76mm) - 600V

CATALOG NUMBER (For Steel Armor replace 11288 with 11289)	NO. OF POWER COND.	COND. (AWG/kcmil) SIZE	GROUND WIRE (AWG) SIZE	MIN. AVG INS. THICKNESS POWER COND.		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ AL (STEEL) ARMOR		AMPACITY** POWER COND. (30˚C AMBIENT)
						INNER JACKET		ARMOR		CABLE						
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	lbs/ 1000ft	kg/ km	lbs/1000ft	kg/km	
333410*	3	12	14	.030	0.76	0.57	14.5	0.73	18.5	0.83	21.1	115	171	380 (550)	560 (820)	20
311320*	3	10	12	.030	0.76	0.61	15.5	0.77	19.6	0.87	22.1	158	235	440 (620)	660 (930)	30
311330*	3	8	10	.045	1.14	0.75	19.1	0.91	23.1	1.01	25.7	227	338	580 (810)	870(1200)	45
11288.210600	3	6	8	.060	1.52	0.92	23.4	1.14	29.0	1.24	31.5	340	506	870(1240)	1290 (1840)	65
11288.210400	3	4	8	.060	1.52	1.02	25.9	1.24	31.5	1.34	34.0	485	722	1060 (1470)	1580 (2190)	85
11288.210200	3	2	6	.060	1.52	1.04	26.4	1.26	32.0	1.36	34.5	746	1110	1340 (1750)	1990 (2610)	120
11288.210100	3	1	6	.080	2.03	1.19	30.2	1.41	35.8	1.51	38.4	910	1354	1610 (2080)	2390 (3090)	140
11288.215100	3	1/0	6	.080	2.03	1.27	32.3	1.49	37.8	1.56	40.4	1112	1655	1870 (2370)	2780 (3530)	155
11288.215200	3	2/0	6	.080	2.03	1.36	34.5	1.58	40.1	1.70	43.2	1369	2037	2210 (2550)	3300 (4100)	185
11288.215300	3	3/0	4	.080	2.03	1.46	37.1	1.68	42.7	1.81	46.0	1743	2594	2640 (3210)	3930 (4780)	210
11288.215400	3	4/0	4	.080	2.03	1.57	39.9	1.82	46.2	2.00	50.8	2151	3201	3190 (3920)	4750 (5340)	235

* Contact customer service for steel catalog number
**Ampacity is based on CE Code Part 1: Table 2 (Three conductors in raceway [conduit]) and Rule 4-004

TECK90 Armored Power, Unshielded, XLPE/PVC/AIA/PVC

5kV, Single Conductor

Product Construction

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

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

Insulation:
- Cross-Linked Polyethylene (XLPE) Type RW90
- Color code: black

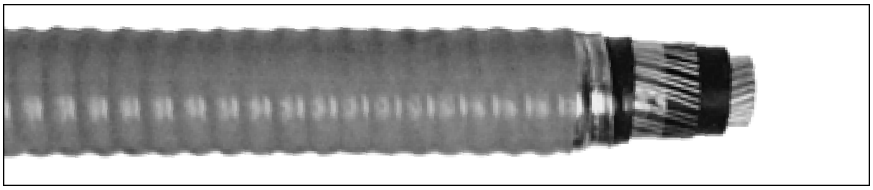
Ground (Bonding) Conductor:
- The conductor is a concentric serving of solid bare
  copper wires applied over the insulation

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 ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40˚C)1/C SIZE (AWG OR KCMIL) 5kv DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIALPRINT



Options:
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval numbers: LR1781
- 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
- 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

6 AWG THRU 1000 KCMIL CONDUCTORS - SINGLE 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/ AL ARMOR lbs/1000ft	NET WEIGHT W/ AL ARMOR kg/km	AMPACITY* (30˚C AMBIENT)
17496.100600	1	6	8	0.54	13.8	0.70	17.8	0.80	20.3	143	213	370	550	100
17496.100400	1	4	6	0.62	15.7	0.78	19.8	0.88	22.3	223	332	490	730	135
17496.100300	1	3	6	0.64	16.4	0.80	20.4	0.90	22.9	229	341	540	800	155
17496.100200	1	2	6	0.67	17.1	0.83	21.2	0.93	23.7	301	448	590	890	180
17496.100100	1	1	4	0.71	17.9	0.87	22.0	0.96	24.5	405	603	720	1060	210
17496.105100	1	1/0	4	0.74	18.9	0.90	23.0	1.00	25.4	474	705	800	1190	245
17496.105200	1	2/0	4	0.78	19.9	0.94	24.0	1.04	26.5	561	835	900	1350	285
17496.105300	1	3/0	3	0.83	21.1	1.05	26.7	1.15	29.3	708	1054	1130	1680	330
17496.105400	1	4/0	3	0.91	23.2	1.13	28.8	1.23	31.4	847	1261	1330	1970	385
17496.106000	1	250	2	0.99	25.2	1.21	30.8	1.31	33.4	1012	1506	1530	2280	425
17496.106200	1	350	1	1.09	27.8	1.31	33.4	1.42	36.0	1388	2066	1960	2910	530
17496.106500	1	500	1/0	1.24	31.5	1.46	37.1	1.56	39.7	1548	2304	2570	3830	660
17496.107000	1	750	2/0	1.43	36.2	1.65	41.8	1.77	45.0	2243	3338	3900	5800	845
17496.107500	1	1000	2/0	1.58	40.1	1.83	46.5	1.96	49.7	2819	4195	4930	7340	1000

*Ampacity is based on CE Code Part 1: Table 1 (single conductor in free air) and Rule 4-004

General Cable
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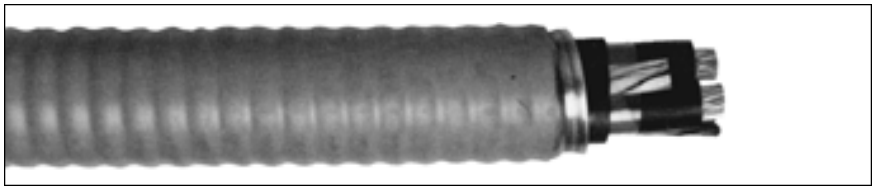
BICC BRAND

TECK90 Armored Power, Unshielded, XLPE/PVC/AIA/PVC

5kV, Three Conductor



Product Construction

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

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

Insulation:
- Cross-Linked Polyethylene (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)

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 ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40˚C)3/C SIZE (AWG OR KCMIL) 5kv DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIALPRINT

Options:
- Galvanized Steel Interlocked Armor (GSIA)
- 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

Features:
- Rated at 90˚C
- Excellent crush, oil and chemical resistance
- Provide long service life
- Meets cold bend and impact tests at -40˚C

Compliances:
- CSA Standard C22.2 No. 131 & No. 174
- CSA Approval numbers: LR1781
- 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
- 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

6 AWG THRU 1000 KCMIL CONDUCTORS - THREE CONDUCTOR - 5kV UNSHIELDED - 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) 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* (30˚C AMBIENT)
17496.010600	3	6	8	1.02	26.0	1.24	31.6	1.35	34.2	301	448	930 (1340)	1390 (2000)	65
17496.130400	3	4	8	1.12	28.5	1.34	34.0	1.44	36.6	442	658	1140 (1590)	1700 (2370)	85
17496.010300	3	3	6	1.17	29.8	1.39	35.4	1.50	38.0	583	868	1310 (1780)	1950 (2640)	105
17496.130200	3	2	6	1.24	31.5	1.46	37.1	1.56	39.7	703	1046	1480 (1980)	2200 (2940)	120
17496.130100	3	1	6	1.31	33.3	1.53	38.9	1.65	42.0	970	1444	1730 (2230)	2570 (3350)	140
17496.015100	3	1/0	6	1.39	35.3	1.61	40.9	1.73	44.1	1082	1610	1990 (2540)	2960 (3780)	155
17496.135200	3	2/0	6	1.48	37.5	1.70	43.1	1.82	46.2	1343	1999	2300 (2880)	3420 (4290)	185
17496.015300	3	3/0	4	1.58	40.2	1.80	45.8	1.93	48.9	1720	2560	2740 (3370)	4080 (5010)	210
17496.135400	3	4/0	4	1.69	42.9	1.94	49.3	2.07	52.6	2315	3445	3300 (4090)	4920 (6090)	235
17496.136000	3	250	4	1.88	47.7	2.13	54.0	2.26	57.3	2469	3674	3910 (4780)	5820 (7110)	265
17496.016200	3	350	3	2.10	53.2	2.35	59.6	2.51	63.6	3476	5173	5130 (6100)	7630 (9070)	325
17496.136500	3	500	3	2.35	59.7	2.60	66.0	2.76	70.2	4837	7198	6800 (7880)	10110 (11720)	395
17496.137000	3	750	2	2.75	69.8	3.00	76.2	3.17	80.5	7224	10750	10490(11750)	15610 (17480)	500
17496.017500	3	1000	1	3.14	79.9	3.39	86.2	3.58	91.0	9715	14458	13790(15220)	20520 (22650)	585

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