

# TECK90

XLPE/PVC/AIA/PVC, Control, Armored  
600 V, CSA TECK90, Multi-Conductor, 14 AWG

## Product Construction:

### Conductors:

- 14 AWG bare copper Class B compressed concentric round to ASTM B8

### Insulation:

- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 1 to 4 conductors—black, red, blue and white; over 4 conductors—per ICEA Method 4, individual conductors colored black with conductor number surface printed in contrasting ink

### Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

### Inner Jacket:

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

### Armor:

- Aluminum Interlocked Armor (AIA)

### Overall Jacket:

- Lead-free, ACID-FLAME-CHECK ✓✓<sup>®</sup> flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

### Print:

- GENERAL CABLE<sup>®</sup> ACID-FLAME-CHECK ✓✓<sup>®</sup> AG14 FT1 FT4 HL TECK90 XLPE (-40°C)#/C SIZE (14 AWG) 600 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK



### 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 wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

### Compliances:

#### Industry Compliances:

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

#### Flame Test Compliances:

- CSA FT1 and FT4
- 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)

#### Other Compliances:

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

### Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	GROUND WIRE SIZE (AWG)	NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
				INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT		kg/km		
				INCHES	mm	INCHES	mm	INCHES	mm			AL	STEEL	AL	STEEL	

### 14 AWG—MULTI-CONDUCTOR—30 MILS INS. (.76 mm), 600 V

780220	2	14	14	0.13	3.4	0.58	14.8	0.67	16.9	39	58	195	310	290	462	25
780250	3	14	14	0.13	3.4	0.60	15.4	0.69	17.4	52	78	226	346	336	515	25
780280	4	14	14	0.13	3.4	0.64	16.2	0.72	18.3	68	101	256	385	381	573	25
794540	5	14	14	0.13	3.4	0.68	17.3	0.76	19.3	81	121	290	430	432	640	20
792940	6	14	14	0.13	3.4	0.72	18.3	0.80	20.3	95	142	316	464	471	691	20
780310	7	14	14	0.13	3.4	0.74	18.8	0.82	20.8	104	155	338	490	503	730	17.5
330090	8	14	14	0.13	3.4	0.79	20.1	0.87	22.2	117	174	373	537	555	799	17.5
792960	10	14	14	0.13	3.4	0.88	22.3	0.96	24.3	149	222	451	637	671	948	17.5
792980	12	14	14	0.13	3.4	0.90	23.0	0.99	25.0	176	262	511	702	761	1045	17.5
793000	15	14	14	0.13	3.4	0.96	24.3	1.04	26.3	217	323	586	791	872	1177	17.5
780290	20	14	14	0.13	3.4	1.13	28.7	1.21	30.8	285	424	789	1117	1174	1662	17.5
308190*	25	14	14	0.13	3.4	1.22	30.9	1.30	33.0	337	502	958	1315	1426	1957	15
333750*	30	14	14	0.13	3.4	1.28	32.5	1.36	34.6	402	599	1015	1390	1511	2069	15
330280*	40	14	14	0.13	3.4	1.40	35.6	1.48	37.7	531	791	1234	1649	1837	2454	15
299980*	50	14	14	0.13	3.4	1.52	38.5	1.60	40.6	661	984	1463	1916	2178	2851	12.5

Dimensions and weights are nominal; subject to industry tolerances.

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

\*\* Ampacity is based on CE Code Part 1, Table 2 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

XLPE/PVC/AIA/PVC, Control, Armored  
600 V, CSA TECK90, Multi-Conductor, 12 AWG



**Features:**

- Rated at 90°C wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

**Compliances:**

- Industry Compliances:**
- CSA Standard C22.2 No. 131 and No. 174

**Flame Test Compliances:**

- CSA FT1 and FT4
- 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)

**Other Compliances:**

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

**Packaging:**

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

**Product Construction:**

**Conductor:**

- 12 AWG bare copper Class B compressed concentric round to ASTM B8

**Insulation:**

- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 1 to 4 conductors—black, red, blue and white; over 4 conductors—per ICEA Method 4, individual conductors colored black with conductor number surface printed in contrasting ink

**Ground (Bonding) Conductor:**

- The conductor consists of one uninsulated stranded bare copper conductor

**Inner Jacket:**

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

**Armor:**

- Aluminum Interlocked Armor (AIA)

**Overall Jacket:**

- Lead-free, ACID-FLAME-CHECK ✓✓<sup>®</sup> flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

**Print:**

- GENERAL CABLE<sup>®</sup> ACID-FLAME-CHECK ✓✓<sup>®</sup> AG14 FT1 FT4 HL TECK90 XLPE (-40°C)#/C SIZE (12 AWG) 600 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

**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

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	GROUND WIRE SIZE (AWG)	NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
				INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT		kg/km		
				INCHES	mm	INCHES	mm	INCHES	mm			AL	STEEL	AL	STEEL	
<b>12 AWG—MULTI-CONDUCTOR—30 MILS INS. (.76 mm), 600 V</b>																
780210	2	12	14	0.15	3.9	0.62	15.8	0.70	17.9	55	82	228	352	340	524	30
780240	3	12	14	0.15	3.9	0.65	16.4	0.73	18.5	75	112	254	386	378	575	30
780320	4	12	14	0.15	3.9	0.69	17.4	0.77	19.5	96	143	293	434	436	646	30
312910	5	12	14	0.15	3.9	0.73	18.5	0.81	20.6	116	173	350	501	521	746	24
331190*	6	12	14	0.15	3.9	0.81	20.5	0.89	22.5	137	204	416	585	619	871	24
315020*	7	12	14	0.15	3.9	0.83	21.0	0.91	23.1	157	234	443	616	660	917	21
311560*	8	12	14	0.15	3.9	0.86	21.7	0.94	23.8	177	264	492	673	732	1002	21
304030*	10	12	14	0.15	3.9	0.95	24.2	1.04	26.2	219	326	555	757	826	1127	21
331130*	12	12	14	0.15	3.9	1.01	25.7	1.10	27.8	261	389	653	942	972	1402	21
312990*	15	12	14	0.15	3.9	1.07	27.2	1.16	29.3	322	480	757	1065	1127	1585	21
299950*	20	12	14	0.15	3.9	1.23	31.3	1.32	33.4	424	631	986	1346	1468	2003	21
307470*	25	12	14	0.15	3.9	1.33	33.8	1.42	35.9	527	785	1210	1602	1801	2384	18
318730*	30	12	14	0.15	3.9	1.40	35.6	1.49	37.7	630	938	1320	1735	1965	2582	18
346880*	40	12	14	0.15	3.9	1.54	39.1	1.64	41.6	837	1246	1725	2185	2567	3252	18
346890*	50	12	14	0.15	3.9	1.67	42.4	1.77	44.9	1044	1553	2055	2556	3058	3804	15

Dimensions and weights are nominal; subject to industry tolerances.

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

\*\* Ampacity is based on CE Code Part 1, Table 2 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

XLPE/PVC/AIA/PVC, Control, Armored  
600 V, CSA TECK90, Multi-Conductor, 10 AWG

## Product Construction:

### Conductor:

- 10 AWG bare copper Class B compressed concentric round to ASTM B8

### Insulation:

- Cross-linked Polyethylene (XLPE), Type RW90
- Color-coded: 1 to 4 conductors—black, red, blue and white; over 4 conductors—per ICEA Method 4, individual conductors colored black with conductor number surface printed in contrasting ink

### Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor
- Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink

### Inner Jacket:

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

### Armor:

- Aluminum Interlocked Armor (AIA)

### Overall Jacket:

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

### Print:

- GENERAL CABLE® ACID-FLAME-CHECK ✓✓ AG14 FT1 FT4 HL TECK90 XLPE (-40°C)#/C SIZE (10 AWG) 600 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK



### 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 wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

### Compliances:

#### Industry Compliances:

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

#### Flame Test Compliances:

- CSA FT1 and FT4
- 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)

#### Other Compliances:

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

### Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	GROUND WIRE SIZE (AWG)	NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
				INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT		kg/km		
				INCHES	mm	INCHES	mm	INCHES	mm			AL	STEEL	AL	STEEL	

### 10 AWG—MULTI-CONDUCTOR—30 MILS INS. (.76 mm), 600 V

780200	2	10	12	0.18	4.5	0.67	17.0	0.75	19.0	87	130	275	411	410	612	40
780230	3	10	12	0.18	4.5	0.70	17.7	0.78	19.7	119	177	327	470	487	700	40
780270	4	10	12	0.18	4.5	0.74	18.8	0.83	20.9	150	223	413	565	615	841	40
319480*	5	10	12	0.18	4.5	0.82	20.9	0.91	22.9	184	274	473	644	704	959	32
333160*	6	10	12	0.18	4.5	0.88	22.2	0.96	24.3	217	323	515	717	766	1066	32
346870*	7	10	12	0.18	4.5	0.90	22.9	0.99	25.0	248	369	552	754	821	1122	28
318740*	8	10	12	0.18	4.5	0.93	23.6	1.02	25.7	282	420	613	830	912	1235	28
311570*	10	10	12	0.18	4.5	1.08	27.3	1.16	29.4	348	518	828	1181	1232	1757	28
317890*	12	10	12	0.18	4.5	1.15	29.2	1.23	31.3	414	617	916	1276	1363	1899	28
318750*	15	10	12	0.18	4.5	1.22	30.9	1.30	33.0	512	762	1084	1481	1613	2203	28
308180*	20	10	12	0.18	4.5	1.36	34.4	1.44	36.5	675	1005	1316	1750	1958	2604	28
307450*	25	10	12	0.18	4.5	1.47	37.3	1.55	39.4	835	1243	1612	2099	2399	3124	24
293570*	30	10	12	0.18	4.5	1.55	39.4	1.65	41.8	998	1493	1821	2323	2709	3457	24
307460*	40	10	12	0.18	4.5	1.71	43.4	1.81	45.9	1321	1966	2278	2837	3390	4222	24
346900*	50	10	12	0.18	4.5	1.87	47.5	1.97	49.9	1648	2453	2820	3557	4196	5293	20

Dimensions and weights are nominal; subject to industry tolerances.

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

\*\* Ampacity is based on CE Code Part 1, Table 2 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

XLPE/PVC/AIA/PVC, Power, Armored  
1000 V, CSA TECK90, Single Conductor



## Product Construction:

### Conductor:

- 6 AWG thru 1000 kcmil bare copper compact Class B strand

### Insulation:

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

### Ground (Bonding) Conductor:

- The conductor is a concentric serving of solid bare copper wires applied over the insulation

### Inner Jacket:

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

### Armor:

- Aluminum Interlocked Armor (AIA)

### Overall Jacket:

- Lead-free, ACID-FLAME-CHECK ✓<sup>®</sup> flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

### Print:

- GENERAL CABLE<sup>®</sup> ACID-FLAME-CHECK ✓<sup>®</sup> AG14 FT1 FT4 HL TECK90 XLPE (-40°C)1/C SIZE (AWG OR KCMIL) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

### 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 wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40°C

## Compliances:

### Industry Compliances:

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

### Flame Test Compliances:

- CSA FT1 and FT4
- IEEE 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-30-520 (70,000 BTU/hr)

### Other Compliances:

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

## Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs, are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT		AMPACITY** (30°C AMBIENT)
						INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	
						INCHES	mm	INCHES	mm	INCHES	mm					
<b>6 AWG THRU 1000 kcmil—SINGLE CONDUCTOR—1000 V</b>																
11288.040600*	1	6	8	.060	1.52	0.31	7.8	0.68	17.3	0.77	19.6	137	204	320	470	105
11288.050400*	1	4	6	.060	1.52	0.35	8.8	0.73	18.6	0.81	20.6	211	314	410	610	140
11288.030300*	1	3	6	.060	1.52	0.38	9.8	0.76	19.3	0.84	21.4	244	363	450	680	165
11288.050200*	1	2	6	.060	1.52	0.42	10.5	0.78	19.8	0.87	22.1	286	426	510	760	190
11288.050100*	1	1	4	.080	2.03	0.49	12.5	0.88	22.4	0.96	24.4	390	581	680	1010	220
11288.035100*	1	1/0	4	.080	2.03	0.53	13.5	0.91	23.2	1.00	25.4	458	682	760	1130	260
11288.035200*	1	2/0	4	.080	2.03	0.58	14.7	0.95	24.1	1.04	26.4	544	810	860	1280	300
11288.035300*	1	3/0	3	.080	2.03	0.63	15.9	1.03	26.2	1.12	28.5	685	1020	1080	1610	350
11288.025400*	1	4/0	3	.080	2.03	0.69	17.5	1.08	27.5	1.17	29.7	820	1220	1270	1890	405
11288.026000*	1	250	2	.090	2.29	0.75	19.2	1.21	30.8	1.29	32.8	980	1459	1490	2210	455
11288.036200*	1	350	1	.090	2.29	0.86	21.7	1.30	33.0	1.39	35.3	1340	1994	1910	2840	570
11288.026500*	1	500	1/0	.090	2.29	0.99	25.0	1.42	36.1	1.51	38.4	1750	2604	2510	3740	700
11288.027000*	1	750	2/0	.090	2.29	1.16	29.4	1.59	40.4	1.69	43.0	2570	3825	3510	5230	885
11288.027500*	1	1000	2/0	.090	2.29	1.31	33.2	1.81	46.0	1.90	48.3	3340	4970	4430	6590	1055

Dimensions and weights are nominal; subject to industry tolerances.

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

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

# TECK90

XLPE/PVC/AIA/PVC, Control and Power, Armored  
1000 V, CSA TECK90, 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 compact Class B strand

**Insulation:**

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

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

**Armor:**

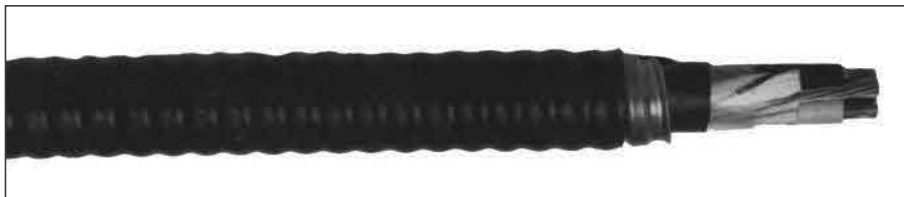
- Aluminum Interlocked Armor (AIA)

**Overall Jacket:**

- Lead-free, ACID-FLAME-CHECK ✓<sup>®</sup> flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

**Print:**

- GENERAL CABLE<sup>®</sup> ACID-FLAME-CHECK ✓<sup>®</sup> AG14 FT1 FT4 HL TECK90 XLPE (-40°C) 2/C SIZE (AWG OR KCMIL) 1000 V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK



**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 wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

**Compliances:**

**Industry Compliances:**

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

**Flame Test Compliances:**

- CSA FT1 and FT4
- 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)

**Other Compliances:**

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

**Packaging:**

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
						INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT		kg/km		
						INCHES	mm	INCHES	mm	INCHES	mm			INCHES	mm	AL	STEEL	

**14 AWG THRU 1000 kcmil—TWO CONDUCTOR—1000 V**

794520*	2	14	14	.045	1.14	0.17	4.2	0.65	16.5	0.73	18.5	39	58	219	350	326	521	25
308550*	2	12	14	.045	1.14	0.18	4.6	0.69	17.6	0.77	19.6	55	82	255	412	380	613	30
793140*	2	10	12	.045	1.14	0.21	5.3	0.73	18.5	0.81	20.6	86	128	291	441	433	657	40
331260*	2	8	10	.045	1.14	0.24	6.1	0.82	20.8	0.90	22.9	137	204	392	564	584	840	55
11206.332083*	2	6	8	.060	1.52	0.31	7.8	0.94	23.9	1.02	25.9	215	320	556	758	827	1128	75
11288.040400*	2	4	8	.060	1.52	0.35	8.8	1.07	27.2	1.16	29.5	312	464	744	1052	1107	1565	95
11288.220300*	2	3	6	.060	1.52	0.38	9.8	1.15	29.2	1.23	31.3	415	618	905	1239	1347	1844	115
11288.040200*	2	2	6	.060	1.52	0.42	10.5	1.20	30.5	1.28	32.5	502	747	1030	1380	1533	2054	130
11288.020100*	2	1	6	.080	2.03	0.49	12.5	1.34	34.0	1.42	36.1	612	911	1235	1630	1838	2425	145
11288.045100*	2	1/0	6	.080	2.03	0.53	13.5	1.45	36.8	1.53	38.9	740	1101	1425	1854	2120	2759	170
11288.045200*	2	2/0	6	.080	2.03	0.58	14.8	1.50	38.1	1.58	40.1	922	1372	1660	2107	2470	3135	195
11288.045300*	2	3/0	4	.080	2.03	0.63	15.9	1.59	40.4	1.69	42.9	1190	1771	1995	2471	2969	3677	225
11288.145400*	2	4/0	4	.080	2.03	0.69	17.5	1.70	43.2	1.79	45.5	1466	2182	2350	2862	3497	4259	260
11288.226000*	2	250	4	.090	2.29	0.75	19.2	1.84	46.8	1.93	49.0	1709	2543	2779	3332	4135	4958	290
11288.226200*	2	350	3	.090	2.29	0.86	21.7	2.09	53.1	2.18	55.4	2373	3561	3650	4285	5431	6376	350
11288.226500*	2	500	3	.090	2.29	0.99	25.0	2.33	59.2	2.45	62.2	3316	4935	4895	5607	7284	8343	430
11288.227000*	2	750	2	.090	2.29	1.16	29.4	2.67	67.8	2.79	70.9	4941	7353	6872	7695	10226	11450	535
11288.227500*	2	1000	1	.090	2.29	1.31	33.2	2.98	75.7	3.10	78.8	6562	9766	8993	10376	13382	15439	615

Dimensions and weights are nominal; subject to industry tolerances.

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

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



Phone: 888-593-3355  
www.generalcable.com



# TECK90

XLPE/PVC/AIA/PVC, Control and Power, Armored  
1000 V, CSA TECK90, Three Conductor



**Features:**

- Rated at 90°C wet or dry
- Excellent crush resistance, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

**Compliances:**

- Industry Compliances:**
- CSA Standard C22.2 No. 131 and No. 174

**Flame Test Compliances:**

- CSA FT1 and FT4
- 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)

**Other Compliances:**

- Hazardous Location Rating: HL
- EPA 40 CFR, Part 261 for leachable lead content per TCLP method
- OSHA Acceptable

**Packaging:**

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

**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 compact Class B strand

**Insulation:**

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

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

**Armor:**

- Aluminum Interlocked Armor (AIA)

**Overall Jacket:**

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

**Print:**

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

**Options:**

- Galvanized Steel Interlocked Armor (GSIA)
- Other constructions available upon request

**Applications:**

- For ground 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

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
						INSULATION		ARMOR		CABLE				LBS/1000 FT		kg/km		
						INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	
<b>14 AWG THRU 1000 kcmil—THREE CONDUCTOR—1000 V</b>																		
330520*	3	14	14	.045	1.14	0.17	4.2	0.67	17.0	0.76	19.3	52	77	261	398	388	592	25
780260	3	12	14	.045	1.14	0.18	4.6	0.72	18.3	0.80	20.3	75	112	299	445	445	662	30
331120	3	10	12	.045	1.14	0.21	5.3	0.79	20.1	0.88	22.4	124	185	374	539	557	802	40
793200	3	8	10	.045	1.14	0.24	6.1	0.86	21.9	0.94	23.9	189	281	486	666	723	991	55
11288.010600	3	6	8	.060	1.52	0.31	7.8	1.03	26.2	1.13	28.7	300	447	724	836	1078	1244	75
11288.010400	3	4	8	.060	1.52	0.35	8.8	1.16	29.5	1.25	31.8	447	665	970	1327	1444	1975	95
11288.010300	3	3	6	.060	1.52	0.38	9.8	1.22	31.0	1.30	33.0	582	866	1136	1509	1691	2246	115
11288.010200	3	2	6	.060	1.52	0.42	10.5	1.28	32.5	1.37	34.8	710	1056	1311	1702	1951	2533	130
11288.010100	3	1	6	.080	2.03	0.49	12.5	1.44	36.6	1.54	39.1	866	1288	1593	2045	2371	3043	145
11288.015100	3	1/0	6	.080	2.03	0.53	13.5	1.56	39.6	1.68	42.7	1069	1590	1906	2389	2837	3555	170
11288.015200	3	2/0	6	.080	2.03	0.58	14.8	1.65	41.9	1.77	45.0	1327	1974	2225	2732	3311	4066	195
11288.015300	3	3/0	4	.080	2.03	0.63	15.9	1.75	44.5	1.87	47.5	1670	2485	2666	3261	3967	4853	225
11288.015400	3	4/0	4	.080	2.03	0.69	17.5	1.86	47.2	1.98	50.3	2109	3138	3207	3806	4772	5664	260
11288.016000	3	250	4	.090	2.29	0.75	19.2	2.05	52.1	2.17	55.1	2470	3675	3800	4513	5655	6716	290
11288.016200	3	350	3	.090	2.29	0.86	21.7	2.26	57.4	2.40	61.0	3437	5114	4979	5906	7409	8789	350
11288.016500	3	500	3	.090	2.29	0.99	25.0	2.52	64.0	2.66	67.6	4839	7200	6586	7627	9798	11349	430
11288.017000*	3	750	2	.090	2.29	1.16	29.4	2.89	73.4	3.03	77.0	7225	10751	9267	10470	13790	15580	535
11288.017500*	3	1000	1	.090	2.29	1.31	33.2	3.28	83.3	3.44	87.4	9612	14303	12184	13566	18130	20187	615

Dimensions and weights are nominal; subject to industry tolerances.  
\*Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.  
\*\*Amcapacity is based on CE Code Part 1, Table 2 (Three conductors in raceway [conduit] and Rule 4-004.

