

# 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, white, red and blue; 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 ✓<sup>®</sup> AG14 flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

### Options:

- Galvanized Steel Interlocked Armor (GSIA)

### 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
- RoHS Compliant

## Packaging:

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

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	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.