

TECK90

XLPE/PVC/AIA/PVC, Power/Control Composite
600 V, CSA TECK90, Three Power and 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 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 4/0 AWG—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 ✓[®] 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



Applications (cont'd.):

- 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)

Compliances (cont'd.):

Other Compliances:

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

Packaging:

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

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** POWER COND. (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	

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

333410*†	3	12	14	.030	0.76	0.15	3.9	0.78	19.8	0.86	21.8	114	170	356	519	530	789	30
311320*†	3	10	12	.030	0.76	0.18	4.5	0.81	20.6	0.89	22.6	158	235	416	586	619	921	40
311330*†	3	8	10	.045	1.14	0.24	6.1	0.95	24.0	1.00	25.4	208	310	541	729	805	1198	55
11288.210600*	3	6	8	.045	1.14	0.28	7.0	0.99	25.0	1.20	30.5	338	503	696	896	1035	1540	75
11288.210400*	3	4	8	.045	1.14	0.32	8.2	1.14	28.8	1.25	31.8	485	722	972	1293	1446	2151	95
11288.210200*	3	2	6	.045	1.14	0.38	9.7	1.27	32.3	1.39	35.2	747	1112	1295	1662	1927	2868	130
11288.210100*	3	1	6	.055	1.40	0.44	11.1	1.39	35.2	1.50	38.1	911	1356	1539	1941	2290	3408	145
11288.215100*	3	1/0	6	.055	1.40	0.48	12.2	1.47	37.3	1.59	40.3	1117	1662	1798	2227	2676	3982	170
11288.215200*	3	2/0	6	.055	1.40	0.53	13.3	1.57	39.8	1.71	43.3	1378	2051	2150	2609	3199	4760	195
11288.215300*	3	3/0	4	.055	1.40	0.58	17.1	1.68	42.5	1.82	46.1	1753	2609	2592	3087	3857	5740	225
11288.215400*	3	4/0	4	.055	1.40	0.63	16.0	1.80	45.7	1.94	49.1	2167	3225	3080	3615	4583	6820	260

Dimensions and weights are nominal; subject to industry tolerances.

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

†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.