

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:

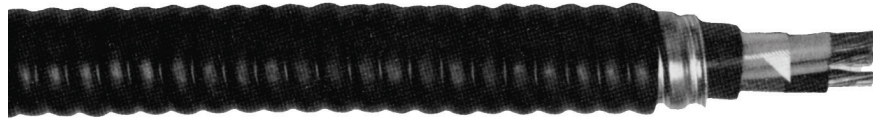
- Lead-free, flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC), black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- Lead-free, ACID-FLAME-CHECK $\sqrt{V}$ 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 1202 (70,000 BTU/hr) CSA FT4

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	0.90	22.9	0.99	25.1	217	323	497	683	740	1016	32
346870*	7	10	12	0.18	4.5	0.90	22.9	0.99	25.1	249	371	533	719	794	1070	28
318740*	8	10	12	0.18	4.5	0.96	24.4	1.05	26.6	282	420	596	795	886	1183	28
311570*	10	10	12	0.18	4.5	1.15	29.1	1.23	31.3	348	517	823	1172	1225	1744	28
317890*	12	10	12	0.18	4.5	1.15	29.2	1.23	31.2	413	615	916	1276	1363	1899	28
318750*	15	10	12	0.18	4.5	1.22	31.0	1.30	33.0	511	760	1084	1481	1613	2204	28
308180*	20	10	12	0.18	4.5	1.37	34.9	1.46	37.1	675	1004	1302	1730	1938	2574	28
307450*	25	10	12	0.18	4.5	1.47	37.3	1.55	39.4	838	1247	1612	2099	2399	3123	24
293570*	30	10	12	0.18	4.5	1.55	39.4	1.65	41.9	1002	1490	1814	2312	2700	3440	24
307460*	40	10	12	0.18	4.5	1.71	43.4	1.81	46.0	1329	1977	2278	2837	3390	4221	24
346900*	50	10	12	0.18	4.5	1.87	47.5	1.97	50.0	1656	2464	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.