

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	30
780230	3	10	12	0.18	4.5	0.70	17.7	0.78	19.7	119	177	327	470	487	700	30
780270	4	10	12	0.18	4.5	0.74	18.8	0.83	20.9	150	223	413	565	615	841	30
319480*	5	10	12	0.18	4.5	0.82	20.9	0.91	22.9	184	274	473	644	704	959	24
333160*	6	10	12	0.18	4.5	0.88	22.2	0.96	24.3	217	323	515	717	766	1066	24
346870*	7	10	12	0.18	4.5	0.90	22.9	0.99	25.0	248	369	552	754	821	1122	21
318740*	8	10	12	0.18	4.5	0.93	23.6	1.02	25.7	282	420	613	830	912	1235	21
311570*	10	10	12	0.18	4.5	1.08	27.3	1.16	29.4	348	518	828	1181	1232	1757	21
317890*	12	10	12	0.18	4.5	1.15	29.2	1.23	31.3	414	617	916	1276	1363	1899	21
318750*	15	10	12	0.18	4.5	1.22	30.9	1.30	33.0	512	762	1084	1481	1613	2203	21
308180*	20	10	12	0.18	4.5	1.36	34.4	1.44	36.5	675	1005	1316	1750	1958	2604	21
307450*	25	10	12	0.18	4.5	1.47	37.3	1.55	39.4	835	1243	1612	2099	2399	3124	18
293570*	30	10	12	0.18	4.5	1.55	39.4	1.65	41.8	998	1493	1821	2323	2709	3457	18
307460*	40	10	12	0.18	4.5	1.71	43.4	1.81	45.9	1321	1966	2278	2837	3390	4222	18
346900*	50	10	12	0.18	4.5	1.87	47.5	1.97	49.9	1648	2453	2820	3557	4196	5293	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.