TECK90

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

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, 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

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
- 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)	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		
				INCHES	mm	INCHES	mm	INCHES	mm	LBS/ 1000 FT	kg/ km	AL	STEEL	AL	STEEL	
12 AWG—MULTI-CONDUCTOR—30 MILS INS. (.76 mm), 600 V																
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.

General Cable

RoHS Compliant Directive 2011/65/EU

Canadian Standard Association