

10AWG Teck 90 600V 90°C



APPLICATION:

Teck 90 is for use in power, control and lighting circuits at industrial and chemical plants, pulp and paper mills, steel mills, mines, power generating facilities, food processing plants and commercial centers. It is suitable for installation in wet or dry locations in troughs, trays and in direct burial applications. Teck 90 is for applications up to 600 volts and temperatures from -40°C to +90°C.

CONDUCTORS:

- Class B stranded bare copper compressed concentric round to ASTM B8

INSULATION:

- Cross-Linked Polyethylene (XLPE) insulation, Type RW90

GROUND:

- Uninsulated bare stranded soft drawn grounding conductor

INNER JACKET:

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

ARMOR:

- Aluminum Interlocked Armor (AIA)

OUTER JACKET:

- -40°C black Polyvinyl Chloride (PVC) outer jacket, which is water, chemical, sunlight and abrasion resistant

STANDARDS:

- CSA C22.2, No. 131
- CSA C22.2, No. 174
- CSA FT1 and FT4 flame test
- 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)

Part Number	Conductor Size	No. of Conductors	Ground Wire Size	Insulation Thickness	Armor Diameter	Outer Jacket Diameter	Weight	Ampacity*
	AWG		AWG	inches	inches	inches		lbs/ft
10-02 TECK90	10	2	12	0.03	0.67	0.75	275	40
10-03 TECK90	10	3	12	0.03	0.70	0.78	327	40
10-04 TECK90	10	4	12	0.03	0.74	0.83	413	40
10-05 TECK90	10	5	12	0.03	0.82	0.91	473	32
10-06 TECK90	10	6	12	0.03	0.88	0.96	515	32
10-07 TECK90	10	7	12	0.03	0.90	0.99	552	28
10-08 TECK90	10	8	12	0.03	0.93	1.02	613	28
10-10 TECK90	10	10	12	0.03	1.08	1.16	828	28
10-12 TECK90	10	12	12	0.03	1.15	1.23	916	28
10-15 TECK90	10	15	12	0.03	1.22	1.30	1084	28
10-20 TECK90	10	20	12	0.03	1.36	1.44	1316	28
10-25 TECK90	10	25	12	0.03	1.47	1.55	1612	24
10-30 TECK90	10	30	12	0.03	1.55	1.65	1821	24
10-40 TECK90	10	40	12	0.03	1.71	1.81	2278	24
10-50 TECK90	10	50	12	0.03	1.87	1.97	2820	20

All values are nominal and subject to correction

*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.



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