

# 14AWG 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
14-02 TECK90	14	2	14	0.03	0.58	0.67	195	25
14-03 TECK90	14	3	14	0.03	0.60	0.69	226	25
14-04 TECK90	14	4	14	0.03	0.64	0.72	256	25
14-05 TECK90	14	5	14	0.03	0.68	0.76	290	20
14-06 TECK90	14	6	14	0.03	0.72	0.80	316	20
14-07 TECK90	14	7	14	0.03	0.74	0.82	338	17.5
14-08 TECK90	14	8	14	0.03	0.79	0.87	373	17.5
14-10 TECK90	14	10	14	0.03	0.88	0.96	451	17.5
14-12 TECK90	14	12	14	0.03	0.90	0.99	511	17.5
14-15 TECK90	14	15	14	0.03	0.96	1.04	586	17.5
14-20 TECK90	14	20	14	0.03	1.13	1.21	789	17.5
14-25 TECK90	14	25	14	0.03	1.22	1.30	958	15
14-30 TECK90	14	30	14	0.03	1.28	1.36	1015	15
14-40 TECK90	14	40	14	0.03	1.40	1.48	1234	15
14-50 TECK90	14	50	14	0.03	1.52	1.60	1463	12.5

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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