

# 12AWG 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
12-02 TECK90	12	2	14	0.03	0.62	0.70	228	30
12-03 TECK90	12	3	14	0.03	0.65	0.73	254	30
12-04 TECK90	12	4	14	0.03	0.69	0.77	293	30
12-05 TECK90	12	5	14	0.03	0.73	0.81	350	24
12-06 TECK90	12	6	14	0.03	0.81	0.89	416	24
12-07 TECK90	12	7	14	0.03	0.83	0.91	443	21
12-08 TECK90	12	8	14	0.03	0.86	0.94	492	21
12-10 TECK90	12	10	14	0.03	0.95	1.04	555	21
12-12 TECK90	12	12	14	0.03	1.01	1.10	653	21
12-15 TECK90	12	15	14	0.03	1.07	1.16	757	21
12-20 TECK90	12	20	14	0.03	1.23	1.32	986	21
12-25 TECK90	12	25	14	0.03	1.33	1.42	1210	18
12-30 TECK90	12	30	14	0.03	1.40	1.49	1320	18
12-50 TECK90	12	50	14	0.03	1.67	1.77	2055	15

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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