

# 8AWG-750KCM Teck 90 1000V 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 1000 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 lbs/ft	Ampacity*
	AWG		AWG	inches	inches	inches		amps
8-02 TECK90	8	2	10	0.045	0.82	0.90	392	55
6-02 TECK90	6	2	8	0.060	0.94	1.02	556	75
4-02 TECK90	4	2	8	0.060	1.07	1.16	744	95
8-03 TECK90	8	3	10	0.045	0.86	0.94	486	55
6-03 TECK90	6	3	8	0.060	1.03	1.13	724	75
4-03 TECK90	4	3	8	0.060	1.16	1.25	970	95
3-03 TECK90	3	3	6	0.060	1.22	1.30	1,136	115
2-03 TECK90	2	3	6	0.060	1.28	1.37	1,311	130
1-03 TECK90	1	3	6	0.080	1.44	1.54	1,593	145
1/0-03 TECK90	1/0	3	6	0.080	1.56	1.68	1,906	170
2/0-03 TECK90	2/0	3	6	0.080	1.65	1.77	2,225	195
3/0-03 TECK90	3/0	3	4	0.080	1.75	1.87	2,666	225
4/0-03 TECK90	4/0	3	4	0.080	1.86	1.98	3,207	260
250-03 TECK90	250	3	4	0.090	2.05	2.17	3,800	290
350-03 TECK90	350	3	3	0.090	2.26	2.40	4,979	350
500-03 TECK90	500	3	3	0.090	2.52	2.66	6,586	430
750-03 TECK90	750	3	2	0.090	2.89	3.03	9,267	535

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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01-2023