

# 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 soft drawn bare copper conductors per ASTM

## INSULATION:

- Cross-Linked Polyethylene (XLP) insulation

## GROUND:

- Bare stranded soft drawn grounding conductor

## INNER JACKET:

- Black Polyvinyl Chloride (PVC) inner jacket

## ARMOR:

- Interlocked aluminum tape armor

## 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
- FT4 flame test

Part Number	Conductor Size	No. of Conductors	Ground Wire Size	Insulation Thickness	Inner Jacket Thickness	Inner Jacket Diameter	Armor Diameter	Outer Jacket Diameter	Weight
	AWG/kcmil		AWG	inches	inches	inches	inches	inches	lbs/ft
8-02 TECK90	8	2	10	0.045	0.060	0.585	0.785	0.872	375
6-02 TECK90	6	2	8	0.060	0.060	0.703	0.903	0.940	544
4-02 TECK90	4	2	8	0.060	0.080	0.835	1.085	1.172	737
8-03 TECK90	8	3	10	0.045	0.060	0.720	0.990	1.070	486
6-03 TECK90	6	3	8	0.060	0.060	0.890	1.150	1.230	741
4-03 TECK90	4	3	8	0.060	0.080	0.980	1.300	1.380	944
3-03 TECK90	3	3	6	0.060	0.080	1.110	1.360	1.450	1,161
2-03 TECK90	2	3	6	0.060	0.080	1.050	1.430	1.520	1,272
1-03 TECK90	1	3	6	0.080	0.080	1.310	1.620	1.720	1,556
1/0-03 TECK90	1/0	3	6	0.080	0.080	1.390	1.710	1.810	1,809
2/0-03 TECK90	2/0	3	6	0.080	0.080	1.500	1.820	1.920	2,151
3/0-03 TECK90	3/0	3	4	0.080	0.080	1.620	1.930	2.040	2,590
4/0-03 TECK90	4/0	3	4	0.080	0.080	1.870	2.200	2.310	3,205
250-03 TECK90	250	3	4	0.090	0.110	1.970	2.360	2.490	3,825
300-03 TECK90	300	3	4	0.090	0.110	2.090	2.490	2.620	4,378
350-03 TECK90	350	3	3	0.090	0.110	2.200	2.600	2.730	4,965
400-03 TECK90	400	3	3	0.090	0.110	2.310	2.700	2.830	5,586
500-03 TECK90	500	3	2	0.090	0.110	2.500	2.900	3.030	6,701
600-03 TECK90	600	3	2	0.090	0.110	2.680	3.080	3.230	7,795
750-03 TECK90	750	3	2	0.090	0.110	2.990	3.380	3.520	9,391

All values are nominal and subject to correction



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