

## TECK 90 1000V XLPE with PVC JACKET POWER CABLE

1000V Multi Conductor, 14-10 AWG Copper, FT4 - Flame Retardancy Rating, XLPE Insulation, Aluminum Interlocked Armor, Sunlight Resistant, Direct Buried, 90°C

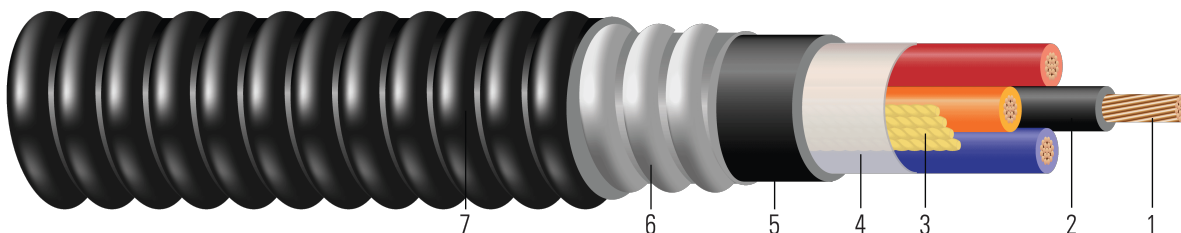


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

- Conductor:** Class B stranded copper, compressed in accordance with ASTM B3 and B8.
- Insulation:** Cross-Linked Polyethylene (XLPE).
- Filler:** Polypropylene filler
- Binder:** Polyester flat thread binder tape as required
- Inner Jacket:** Black Polyvinyl Chloride (PVC)
- Armor:** Aluminum Interlocked Armor (AIA)
- Overall Jacket:** Black PVC (optional colors available)

### APPLICATIONS AND FEATURES:

For exposed or concealed wiring in wet or dry locations. For use in ventilated, non-ventilated and ladder type cable troughs and ventilated flexible cableway in wet, dry, hazardous locations or direct buried. Sunlight Resistant. Typical applications are for control, lighting and power circuits in: pulp and paper mills, steel mills, food processing plants, commercial centers, mines, generating stations, refineries, industrial plants and chemical plants.

### SPECIFICATIONS:

- ASTM B3 Standard Specification for Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 44 Thermoset-Insulated Wires and Cables
- UL 1569 Metal-Clad Cables
- UL 1685 Vertical-Tray Fire Propagation and Smoke Release Test
- CSA C22.2 No. 131 Type TECK 90 Cable
- CSA C22.2 No. 174 Cables in Hazardous Locations
- CSA LTGG [-40°C] - as per C68.10 - for Cold Bend and Impact rating
- CSA AG14 - Acid Gas Compliance
- ICEA S-58-679 Control Cable Conductor Identification Method 1 Table 2
- ICEA S-95-658 (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy

### SAMPLE PRINT LEGEND:

{SQMTR\_DUAL} SOUTHWIRE{R} MASTER-DESIGN {CSA} LL90458 X/C XXX AWG (XX{mm<sup>2</sup>}) CU TECK 90 XLPE -40{D}C FT4 AG14 SUN. RES. 90{D}C 1000V HL --- {UL} E96627 TYPE MC XLPE 600V SUN. RES. DIRECT BURIAL 90{D}C --- {NOM}-ANCE Tipo MC XHHW-2 CT FT4 600V 1000V 90{D}C USA



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**Table 1 – Physical and Electrical Data**

Número de Stock	Tamaño de Cond.	Número de Cond.	Diameter Over Cond.	Insul. Espesor	Tierra	Dia. Over Inner Jacket	Diámetro sobre armadura	Aprox. OD	Peso cobre	Peso Aprox.	Resistencia @ 25° C	CA resistencia @ 90° C	radio de flexión	Allowable Ampacity 75°C *	Allowable Ampacity 90°C *
	AWG	No.	pulg	mil	No. x AWG	pulg	pulg	pulg	lb /1000ft	lb /1000ft	Ω /1000ft	Ω /1000ft	pulg	Amp	Amp
<b>14 AWG</b>															
TBA	14	2	0.07	45	1 x 14	0.421	0.646	0.746	26	218	4.63	3.288	5.22	20	25
563522	14	3	0.07	45	1 x 14	0.434	0.65	0.757	38	235	3.63	3.288	5.3	20	25
TBA	14	4	0.07	45	1 x 14	0.475	0.685	0.769	51	267	2.63	3.288	5.38	20	25
<b>12 AWG</b>															
567121	12	2	0.087	45	1 x 14	0.444	0.654	0.738	41	237	1.66	2.075	5.17	25	30
563526	12	3	0.087	45	1 x 14	0.473	0.683	0.767	61	273	1.66	2.075	5.37	25	30
TBA	12	4	0.087	45	1 x 14	0.56	0.775	0.865	81	346	1.66	2.075	6.06	25	30
<b>10 AWG</b>															
TBA	10	2	0.111	45	1 x 12	0.491	0.687	0.801	65	297	1.04	1.3	5.61	35	40
562297	10	3	0.111	45	1 x 12	0.554	0.764	0.848	97	358	1.04	1.3	5.94	35	40
TBA	10	4	0.111	45	1 x 12	0.605	0.815	0.899	130	416	1.04	1.3	6.29	35	40

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

