CU 1000V XLPE Insulation PVC Jacket XHHW-2 Teck CT Rated - Sunlight Resistant - For Direct Burial - Silicone Free

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

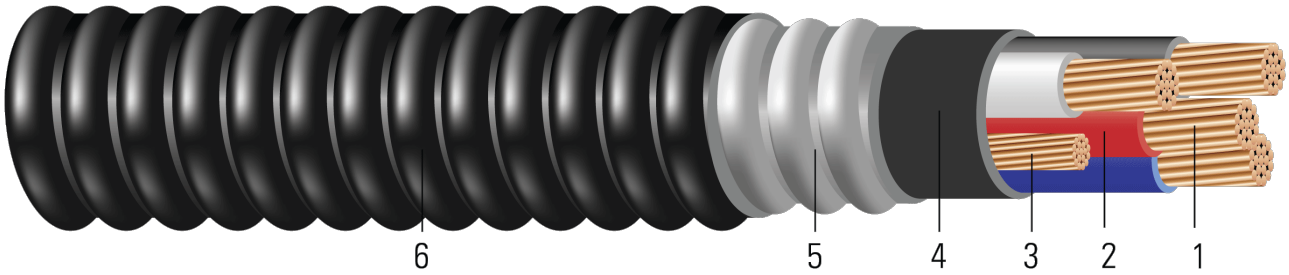


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class B stranded copper, compressed in accordance with ASTM B3 and B8.
2. **Insulation:** Cross-Linked Polyethylene (XLPE), Color Code: 2/C black, white; 3/C red, black, blue; 4/C red, black, blue, white
3. **Grounding Conductor:** Uninsulated Class B stranded grounding conductor
4. **Inner Jacket:** Black Polyvinyl Chloride (PVC)
5. **Armor:** Aluminum Interlocked Armor (AIA)
6. **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 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. 174 Cables in Hazardous Locations
- CSA C22.2 No. 131 Type TECK 90 Cable
- 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

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

SAMPLE PRINT LEGEND:

{SQMTR_DUAL} SOUTHWIRE® {CSA} LL90458 X/C XXX AWG (XX{mm2}) CU TECK 90 XLPE -40°C FT4 AG14 SUN. RES. 90°C 1000V HL --- {UL} E96627 TYPE MC XLPE 600V SUN. RES. DIRECT BURIAL 90°C --- {NOM}-ANCE Tipo MC XHHW-2 CT FT4 600V 1000V 90°C USA

Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Strand Count	Diameter Over Conductor	Insul. Thickness	Ground	Inner Jacket Thickness	Dia. Over Armor	Jacket Thickness	Approx. OD	Copper Weight	Approx. Weight	Jacket Color
	AWG/ Kcmil		No. of Strands	inch	mil	No. x AWG	mil	inch	mil	inch	lb/1000ft	lb/1000ft	
TBA	14	2	7	0.071	30	1 x 14	40	0.475	50	0.575	39	216	BK
TBA	14	4	7	0.071	30	1 x 14	40	0.53	50	0.63	65	275	BK
563522	14	3	7	0.071	45	1 x 14	50	0.664	50	0.764	51	258	BK
TBA	12	4	7	0.089	30	1 x 12	40	0.574	50	0.674	100	331	BK
567121	12	2	7	0.089	45	1 x 14	50	0.673	50	0.773	54	258	BK
563526	12	3	7	0.089	45	1 x 14	50	0.702	50	0.802	74	296	BK
TBA	10	2	7	0.113	30	1 x 10	40	0.559	50	0.659	96	312	BK
TBA	10	4	7	0.113	30	1 x 10	40	0.632	50	0.732	161	420	BK
562297	10	3	7	0.113	45	1 x 12	50	0.785	50	0.885	117	384	BK

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Table 2 – Electrical and Engineering Data

Stock Number	Cond. Size	Cond. Number	Min Bending Radius	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance @ 60Hz	Allowable Ampacity At 75°C	Allowable Ampacity At 90°C
	AWG/ Kcmil		inch	Ω/1000ft	Ω/1000ft	Ω/1000ft	Amp	Amp
TBA	14	2	2.3	2.631	3.265	0.058	20	25
TBA	14	4	2.5	2.631	3.265	0.058	16	20
563522	14	3	3.1	2.631	3.265	0.058	20	25
TBA	12	4	2.7	1.662	2.063	0.054	20	24
567121	12	2	3.1	1.662	2.063	0.054	25	30
563526	12	3	3.2	1.662	2.063	0.054	25	30
TBA	10	2	2.6	1.04	1.291	0.05	35	40
TBA	10	4	2.9	1.04	1.291	0.05	28	32
562297	10	3	3.5	1.04	1.291	0.05	35	40

* Ampacities based upon 2023 NEC Table 310.16 and do not take into account the overcurrent protection limitations in NEC 240.4(D) of 15 Amps for 14 AWG CU, 20 Amps for 12 AWG CU, and 30 Amps for 10 AWG CU (independent of the conductor temperature rating and stranding if size is present in table). Also, see NEC sections 310.15 and 110.14(C) for additional requirements.
* Ampacities have been adjusted for more than Three Current-Carrying Conductors.

Copyright © 2026 Southwire Company, LLC. All Rights Reserved