

# TECK90 – COPPER CONDUCTOR

## MULTIPLE CONDUCTOR #10 AWG

### XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA

SEPT 2015



(3 conductor shown)

**Conductor:**  
10 AWG. round concentric lay class "B"  
stranded copper

**Insulation:**  
Cross-linked Polyethylene (XLPE) Type RW90

**Colour Coding:**  
2 Conductor: black, white  
3 Conductor: black, red, blue  
4 Conductor: black, red, blue, white  
5 - 50 Conductor: black with printed number  
code

**Bonding Conductor (Ground):**  
One (1) bare stranded class "B" copper  
conductor

**Inner jacket:**  
Polyvinyl Chloride (PVC), black

**Armour:**  
Aluminum interlocked armour

**Outer Jacket:**  
Low acid gas, flame-retardant, moisture and  
sunlight resistant Polyvinyl Chloride (PVC), black

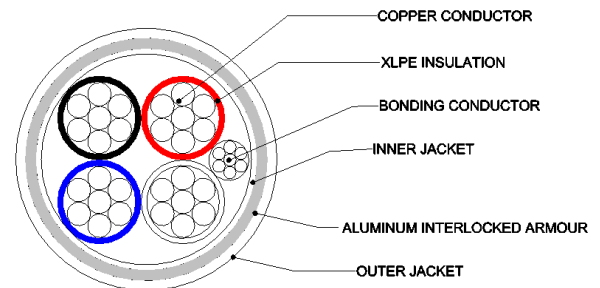
**Print:**  
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)  
TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14  
CSA, METRE MARK

**CSA Licence:**  
LL109933

**Applications:**  
For concealed wiring in dry or wet locations  
For exposed wiring in dry or wet locations  
For exposed and wiring in dry, locations where subjected to corrosive  
action if suitable for corrosive conditions encountered  
For exposed wiring where subjected to the weather  
For use in ventilated, Non-ventilated and ladder-type cable trays in  
dry or wet locations  
For direct earth burial (with protection as required by inspection  
authority)  
For service entrance above or below ground

**Features:**  
Rated at 90°C wet or dry  
Excellent crush resistance  
Provides long service life  
Cost effective alternative to installations in conduit  
Meets cold bend and impact tests at (-40°C)

**Compliances:**  
Industry compliances: CSA Standard C22.2 No. 131, No.38 and  
No.2256, RoHS  
Flame test compliances: CSA FT4  
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket  
and insulated conductor available upon request, Direct Burial  
Acid Gas: CSA AG14



(4 conductor construction shown)

PART NO.	NO OF COND.	COND. SIZE (AWG/ kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT		AMPACITY AT 90° C
						INNER JACKET		ARMOUR		CABLE				
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	KG/KM	LBS/ 1000'	
800427	2	10	12	0.030	0.76	0.445	11.3	0.645	16.38	0.732	18.59	286	192	40
800448	3	10	12	0.030	0.76	0.471	12.0	0.671	17.04	0.758	19.25	454	305	40
800463	4	10	12	0.030	0.76	0.549	13.9	0.749	19.02	0.836	21.23	565	380	32
800474	5	10	12	0.030	0.76	0.601	15.3	0.801	20.35	0.888	22.56	647	435	32
800477	6	10	12	0.030	0.76	0.653	16.6	0.853	21.67	0.940	23.88	728	489	32
800482	7	10	12	0.030	0.76	0.653	16.6	0.853	21.67	0.940	23.88	755	507	28
800486	8	10	12	0.030	0.76	0.707	18.0	0.907	23.04	0.994	25.25	867	583	28
800408	10	10	12	0.030	0.76	0.869	22.1	1.119	28.42	1.206	30.63	1186	797	28
800413	12	10	12	0.030	0.76	0.895	22.7	1.145	29.08	1.232	31.29	1315	884	28
800416	15	10	12	0.030	0.76	0.992	25.2	1.242	31.55	1.329	33.76	1544	1038	28
800419	20	10	12	0.030	0.76	1.082	27.5	1.332	33.83	1.419	36.04	1881	1264	28
800423	25	10	12	0.030	0.76	1.221	31.0	1.471	37.36	1.558	39.57	2249	1511	24
800444	30	10	12	0.030	0.76	1.293	32.8	1.543	39.19	1.630	41.40	2575	1730	24
801403	40	10	12	0.030	0.76	1.436	36.5	1.686	42.82	1.789	45.44	3234	2173	24
801404	50	10	12	0.030	0.76	1.626	41.3	1.926	48.92	2.029	51.54	3914	2630	20

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES  
AMPACITY IS BASED ON CEC Part 1