

# COMPOSITE TECK90 XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA



(6 conductor shown)

**Conductor:**  
14 AWG. to 10 AWG concentric lay class "B" stranded  
8 to 4/0 AWG. Compact concentric lay class "B" stranded copper

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

**Colour Coding:**  
Standard colors or black with number code

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

**Sizes #8 AWG and larger One (1) bare compact lay class "B" stranded 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

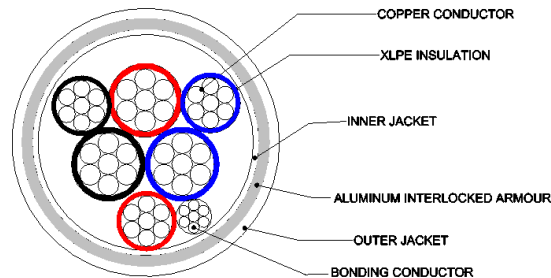
**Print:**  
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)  
+ #/C SIZE (AWG OR KCMIL) COMPOSITE TECK90  
XLPE 600V HL FT4 (-40C) SUN RES AG14 CSA,  
METRE MARK

**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



NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG. INSULATION		NOMINAL DIAMETER (OVER)						NET WEIGHT	
			INCHES	mm	INNER JACKET		ARMOUR		CABLE		KG/KM	LBS/1000'
					INCHES	mm	INCHES	mm	INCHES	mm		
3	12	14	0.030	0.76	0.574	14.6	0.774	19.66	0.863	21.92	546	367
3	14		0.030	0.76								
3	2/0	6	0.080	2.03	1.331	33.8	1.581	40.16	1.686	42.82	3250	2184
3	10		0.030	0.76								
3	4	8	0.060	1.52	0.974	24.7	1.224	31.09	1.313	33.35	1522	1023
3	12		0.030	0.76								
3	8	10	0.045	1.14	0.765	19.4	0.965	24.51	1.054	26.77	817	549
3	14		0.030	0.76								

Standard dimensional tolerances apply