

## 3 CONDUCTOR #6 AWG THRU 750 kcmil

## XLPE/ALUMINUM ARMoured/1000 V, (-40°C) CSA



(3 conductor shown)

**Conductor:**  
6 AWG. Thru 750 kcmil, aluminum  
(8000 series aluminum) compact class "B" strand

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

**Colour Coding:**  
#6 AWG to #2 AWG: Black, red, blue  
#1 AWG and larger: Black with printed colour code

**Bonding Conductor (Ground):**  
One (1) bare stranded bare aluminum  
(ACM) 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

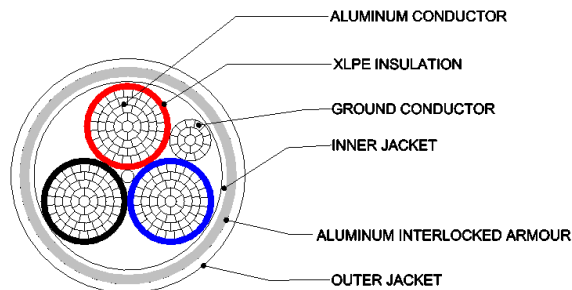
**Print:**  
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)  
CMPCT AL (ACM) TECK90 XLPE 1000V HL FT4 (-40C)  
SUN RES AG14 CSA, METRE MARK

**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



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		KG/KM	LBS/1000'	
				INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm			
801488	3	6	8	0.060	1.52	0.746	18.9	0.946	24.03	1.033	26.24	675	454	55
801456	3	4	6	0.060	1.52	0.885	22.5	1.135	28.83	1.222	31.04	951	639	75
801745	3	3	6	0.060	1.52	0.948	24.1	1.198	30.43	1.285	32.64	1035	696	85
801455	3	2	6	0.060	1.52	1.014	25.8	1.264	32.11	1.351	34.32	1199	806	100
801458	3	1	4	0.080	2.03	1.163	29.5	1.413	35.89	1.5	38.10	1366	918	115
801746	3	1/0	4	0.080	2.03	1.242	31.5	1.492	37.90	1.595	40.51	1525	1025	135
801466	3	2/0	4	0.080	2.03	1.330	33.8	1.580	40.13	1.685	42.80	1750	1176	150
801465	3	3/0	4	0.080	2.03	1.429	36.3	1.679	42.65	1.784	45.31	1984	1333	175
801464	3	4/0	2	0.080	2.03	1.541	39.1	1.841	46.76	1.946	49.43	2402	1614	205
801480	3	250	2	0.090	2.29	1.742	44.2	2.042	51.87	2.147	54.53	2899	1948	230
801472	3	300	2	0.090	2.29	1.847	46.9	2.147	54.53	2.252	57.20	3274	2200	260
801747	3	350	2	0.090	2.29	1.961	49.8	2.261	57.43	2.392	60.76	3527	2370	280
801470	3	400	1	0.090	2.29	2.039	51.8	2.339	59.41	2.470	62.74	3943	2650	305
801463	3	500	1	0.090	2.29	2.206	56.0	2.506	63.65	2.637	66.98	4547	3056	350
801748	3	600	1	0.090	2.29	2.374	60.3	2.674	67.92	2.805	71.25	5138	3453	385
801473	3	750	1/0	0.090	2.29	2.591	65.8	2.891	73.43	3.042	77.27	6029	4051	435

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1



(3 conductor shown)

**Conductor:**  
1/0 AWG. Thru 750 kcmil, aluminum  
(8000 series aluminum) compact class "B" strand

**Insulation:**  
Cross-linked Polyethylene (XLPE) Type RW 90

**Colour Coding:**  
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**Bonding Conductor (Ground):**  
One (1) bare stranded aluminum  
(ACM) conductor

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

**Armour:**  
Aluminum interlocked armour

**Outer Jacket:**  
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sunlight resistant Polyvinyl Chloride (PVC), black

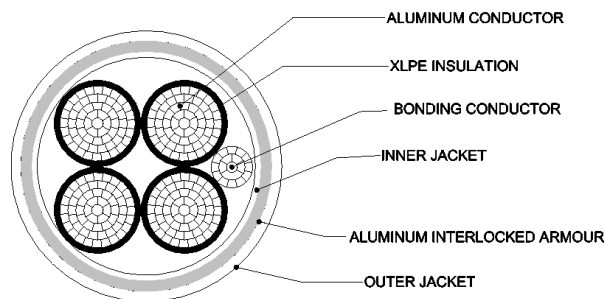
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Acid Gas: CSA AG14



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						INNER JACKET		ARMOUR		CABLE				
						INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	
801749	4	1/0	4	0.080	2.03	1.372	34.8	1.622	41.20	1.727	43.87	1861	1251	135
801468	4	2/0	4	0.080	2.03	1.468	37.3	1.718	43.64	1.823	46.30	2098	1410	150
801391	4	3/0	4	0.080	2.03	1.582	40.2	1.882	47.80	1.987	50.47	2500	1680	175
801377	4	4/0	2	0.080	2.03	1.768	44.9	2.068	52.53	2.173	55.19	3075	2066	205
801467	4	250	2	0.090	2.29	1.924	48.9	2.225	56.52	2.33	59.18	3585	2409	230
801750	4	300	2	0.090	2.29	2.045	51.9	2.346	59.59	2.477	62.92	3960	2661	260
801471	4	350	2	0.090	2.29	2.156	54.8	2.456	62.38	2.587	65.71	4401	2957	280
801469	4	400	1	0.090	2.29	2.259	57.4	2.56	65.02	2.691	68.35	4816	3236	305
801682	4	500	1	0.090	2.29	2.441	62.0	2.471	62.76	2.872	72.95	5588	3755	350
801751	4	600	1	0.090	2.29	2.724	69.2	2.924	74.27	3.055	77.60	6349	4267	385
801683	4	750	1/0	0.090	2.29	2.929	74.4	3.229	82.02	3.380	85.85	7466	5017	435

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AMPACITY IS BASED ON CEC Part 1