



**Conductor:**  
Bare aluminum  
(8000 series aluminum) compact class "B"  
strand

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

**Colour Coding:**  
Black

**Bonding Conductor (Ground):**  
Concentrically wrapped uninsulated solid  
aluminum (ACM) conductor.  
Mylar wrap applied around ground  
conductors

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

**Armour:**  
Aluminum interlocked armour

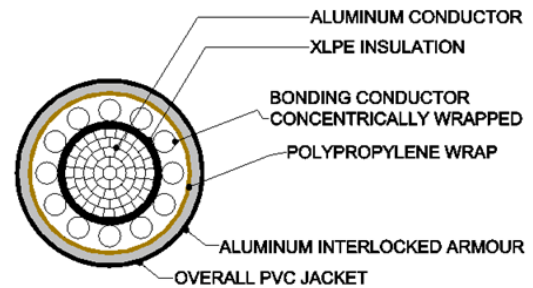
**Outer Jacket:**  
Low acid gas, flame-retardant, moisture and  
sunlight resistant Polyvinyl Chloride (PVC),  
black

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

**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, No. 174  
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) | MIN. AVG. INSULATION |      | NOMINAL DIAMETER (OVER) |      |        |       |        |       | NET WEIGHT |           |
|----------|-------------|------------------------|------------------------|----------------------|------|-------------------------|------|--------|-------|--------|-------|------------|-----------|
|          |             |                        |                        |                      |      | INNER JACKET            |      | ARMOUR |       | CABLE  |       |            |           |
|          |             |                        |                        | INCHES               | mm   | INCHES                  | mm   | INCHES | mm    | INCHES | mm    | KG/KM      | LBS/1000' |
| 802185   | 1           | 350                    | 1/0                    | 0.090                | 2.29 | 1.090                   | 27.7 | 1.34   | 34.04 | 1.427  | 36.25 | 1450       | 974       |
| 802186   | 1           | 500                    | 2/0                    | 0.090                | 2.29 | 1.229                   | 31.2 | 1.479  | 37.57 | 1.566  | 39.78 | 1800       | 1210      |
| 802146   | 1           | 750                    | 3/0                    | 0.090                | 2.29 | 1.424                   | 36.2 | 1.724  | 43.79 | 1.827  | 46.41 | 2477       | 1665      |

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES