

ACWU90 - ALUMINUM CONDUCTOR

1 CONDUCTOR 350 to 1000 kcmil ALUMINUM BOND

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



Conductor:
350 to 1000 kcmil aluminum
(8000 series aluminum) compact class "B"
strand

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

Colour Coding:
Black

Bonding Conductor (Ground):
Concentrically wrapped bare stranded
aluminum conductor

Armour:
Aluminum Interlocked Armour (AIA)

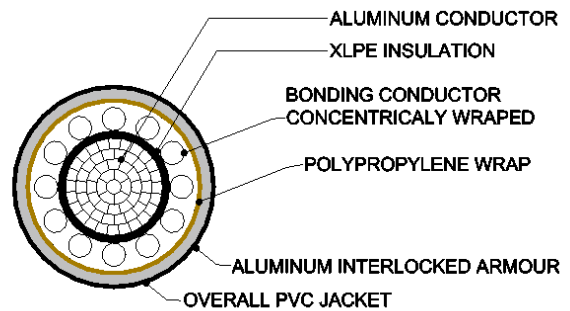
Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black. Custom colours available upon request

Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
COMPACT ALUM ACM STRAND ACWU90 XLPE
600V HL FT4 (-40C) SUN RES AG14 CSA, METRE
MARK

Applications:
For exposed and concealed wiring in dry, damp or wet locations
For use in ventilated, Non-ventilated and ladder-type cable trays in
dry, damp or wet location
For direct earth burial (with protection as required by inspection
authority)
For wiring all hazardous locations when used with certified HL
cable glands
For service entrance installations (where exposed to sunlight,
insulation requires covering of suitable heat shrink).

Features:
Rated at 90°C wet or dry
Excellent crush, oil and chemical 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. 51 and No.174
Flame test compliances: CSA FT4, Low Acid Gas
Other compliances: Hazardous Location Rating: HL



PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION		NOMINAL DIAMETER (OVER)						NET WEIGHT
				INCHES	mm	TWISTED CORE		ARMOUR		CABLE		
						INCHES	mm	INCHES	mm	INCHES	mm	KG/KM
802768	1	250	1	0.065	1.65	0.792	20.1	0.992	25.20	1.095	27.81	875
802395	1	350	1/0	0.065	1.65	1.098	27.9	1.298	32.97	1.385	35.18	1200
802230	1	500	2/0	0.065	1.65	1.027	26.1	1.235	31.37	1.322	33.58	1470
802156	1	600	2/0	0.080	2.03	1.153	29.3	1.369	34.77	1.454	36.93	2000
802168	1	750	3/0	0.080	2.03	1.268	32.2	1.484	37.69	1.583	40.21	2050
802770	1	1000	3/0	0.080	2.03	1.42	36.1	1.636	41.55	1.735	44.07	2475

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES