



Description

Aluminum (ACM) conductors with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation and a bare aluminum bonding conductor. Assembly covered with separator tape, interlocked aluminum armour, and overall PVC jacket.

Specifications

CSA CSA C22.2 No. 51

Ratings

40°C
FT4
AG14
Sunlight Resistant

CSA CSA 22.2 No. 174

HL

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Single, Class B Compressed or Compact concentric strand, aluminum (ACM), per ASTM.

Insulation

- Bonding conductor of stranded bare aluminum is helically applied over the insulated conductor. Separator tape is applied over the bonding conductor.

Neutral Conductor

- Neutral conductor of bare aluminum wires is helically applied over the insulated conductor. Separator tape is applied over the neutral conductor.

Armour

- Flexible interlocking aluminum alloy applied over the separator tape for mechanical protection.

Jacket

- Black low-temperature polyvinyl chloride (PVC) is extruded over the armour.

Options

- Copper phase and neutral conductors
- Colored jacket

Installations

In Cable Tray

Direct Buried

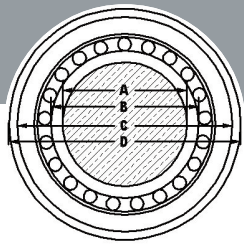
Isolated in Air

Dry Locations

Conduit in Air

Underground Duct

Wet Locations



1/C ACWU90

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)		Insulation Diameter (mm)		Armor Diameter (mm)		Jacket Diameter (mm)		Cable Weight (kg/km)	Ground Wire Size	† Ampacity (Amps)
			(A)	(B)	(C)	(D)							
600 Volt Aluminum Single Conductor													
▲ QYZ043C	350 MCM AL	60	15.72	18.87	28.22	30.71	1120	1/0 AWG	415				
▲ QYZ044C	500 MCM AL	60	18.80	21.95	32.16	34.65	1446	2/0 AWG	515				
▲ QYZ045C	750 MCM AL	60	23.11	26.26	36.47	38.96	1943	3/0 AWG	670				
▲ QYZ046C	1000 MCM AL	60	26.92	30.07	40.28	43.28	2419	3/0 AWG	800				

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.
 The above dimensions are approximate and subject to normal manufacturing tolerances.
 All metric (SI) dimensions are derived from a soft conversion.

†Ampacities are based on the following:

Raceway (Table 3 of CEC C22.1): Single conductor, 85-90°C conductor temperature, and 30°C ambient temperature.



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