

Description

A twisted assembly, consisting of multiple aluminum phase conductors and one neutral conductor, each insulated with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation that is formulated for a balance of flexibility and mechanical toughness, and a PVC jacket.

Specifications

CEA CEA WCWG-04

Ratings

-40°C

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Multiple, Class B Compact, aluminum alloy 1350 per ASTM.

Insulation

- High dielectric strength low temperature cross-linked polyethylene (XLPE) insulation, exhibiting an optimum balance of mechanical and electrical properties to assure extended cable life.

Jacket

- Black low-temperature polyvinyl chloride (PVC) is extruded over each conductor.

Assembly

- Full or reduced neutral conductor, insulated and jacketed, Class B Compact concentric strand aluminum alloy 1350 per ASTM, twisted together with the phase conductors.

Options

- Colored jacket
- Polyethylene-insulated USC75

Installations



Conduit in Air



Direct Buried



Underground Duct



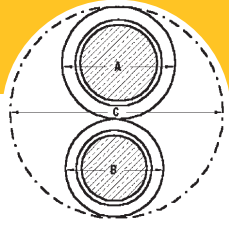
Wet Locations



Dry Locations



Utility Secondary



USC90

600 Volt

Product Number	Phase Conductors	Neutral Conductor		Insulation Thickness (mils)		Jacket Thickness (mils)		Approximate Diameter (mm)			Cable Weight (kg/km)	† Ampacity (Amps)
		Phase	Neutral	Phase	Neutral	(A) Phase	(B) Neutral	(C) Overall				
600 Volt Aluminum Two Conductor												
QQQ930C	1/C 1/0 AWG AL	1/0 AWG AL	55	55	45	45	13.97	13.97	27.94	509	120	

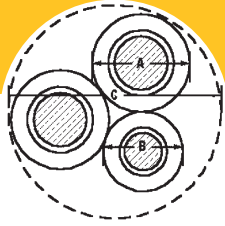
Information Subject to Change without Notice.

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:

Canadian Electrical Code, Part 1, Rule 4-004, Subrule (2)(b), as specified in Table 4, 2- or 3-conductor cable, 85-90°C conductor temperature, 30°C ambient temperature. Assumes neutral carries full load current.



USC90

600 Volt

Product Number	Phase Conductors	Neutral Conductor	Insulation Thickness (mils)		Jacket Thickness (mils)		Approximate Diameter (mm)			Cable Weight (kg/km)	† Ampacity (Amps)
			Phase	Neutral	Phase	Neutral	(A) Phase	(B) Neutral	(C) Overall		
600 Volt Aluminum Three Conductor											
QQMJKYC	2-1/C 2 AWG AL	4 AWG AL	45	45	30	30	10.92	7.80	23.37	424	95
QQMJMOC	2-1/C 2 AWG AL	2 AWG AL	45	45	30	30	10.92	10.92	23.37	468	95
QQQJMYC	2-1/C 1/0 AWG AL	2 AWG AL	55	45	45	30	13.97	10.92	29.44	666	120
QQRJQYC	2-1/C 2/0 AWG AL	1/0 AWG AL	55	45	55	45	14.94	13.97	29.97	765	145
QOSJQYC	2-1/C 3/0 AWG AL	1/0 AWG AL	55	55	45	45	16.26	13.97	34.80	981	165
QOSJSOC	2-1/C 3/0 AWG AL	3/0 AWG AL	55	55	45	45	16.26	16.26	34.80	1089	165
QOTJRYC	2-1/C 4/0 AWG AL	2/0 AWG AL	55	55	45	45	17.53	13.97	37.85	1176	185
QOTJTOC	2-1/C 4/0 AWG AL	4/0 AWG AL	55	55	45	45	17.53	17.53	37.85	1310	185
QOUJUOC	2-1/C 250 MCM AL	250 MCM AL	65	65	65	65	20.32	20.32	43.94	1687	215
QOWJUYC	2-1/C 500 MCM AL	250 MCM AL	65	65	65	65	25.81	20.32	54.61	2525	330
QOWJWOC	2-1/C 500 MCM AL	500 MCM AL	65	65	65	65	25.81	25.81	55.75	2945	330

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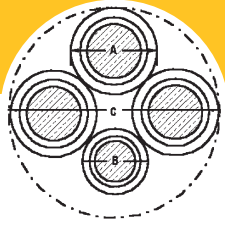
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USC90

600 Volt

Product Number	Phase Conductors	Neutral Conductor		Insulation Thickness (mils)		Jacket Thickness (mils)		Approximate Diameter (mm)			Cable Weight (kg/km)	† Ampacity (Amps)
		Phase	Neutral	Phase	Neutral	(A) Phase	(B) Neutral	(C) Overall				
600 Volt Aluminum Four Conductor												
QOMKKYC	3-1/C 2 AWG AL	4 AWG AL	45	45	30	30	10.87	9.47	23.47	578	95	
QQQKMYC	3-1/C 1/0 AWG AL	2 AWG AL	55	45	45	30	13.92	10.87	30.07	920	120	
QOTKRYC	3-1/C 4/0 AWG AL	2/0 AWG AL	55	55	45	45	17.48	14.94	37.85	1615	185	
QOTKTOC	3-1/C 4/0 AWG AL	4/0 AWG AL	55	55	45	45	17.53	17.53	42.42	1750	185	

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Canadian Electrical Code, Part 1, Rule 4-004, Subrule (2)(b), as specified in Table 4, 2- or 3-conductor cable, 85-90°C conductor temperature, 30°C ambient temperature. Assumes neutral carries only imbalance currents.