

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

CSA CSA C22.2 No. 52

Ratings

-40°C
FT1
Sunlight Resistant

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

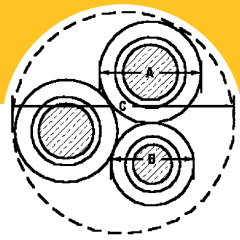
- Full or reduced neutral conductor, insulated and jacketed, class compact concentric strand aluminum alloy 1350 per ASTM, twisted together with the phase conductors.

Options

- Colored jacket
- Copper or ACM conductors
- Polyethylene-insulated USEI 75

Installations

- | | |
|--|---|
|  Conduit in Air |  Direct Buried |
|  Underground Duct |  Wet Locations |
|  Dry Locations |  Utility Secondary |
|  Industrial | |



USEI90

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											
QØRLRØC	2-1/C 2/0 AWG AL	2/0 AWG AL	55	55	45	45	14.94	14.94	32.26	909	145
QØSLQYC	2-1/C 3/0 AWG AL	1/0 AWG AL	55	55	45	45	16.15	13.92	34.90	980	165
QØSLSØC	2-1/C 3/0 AWG AL	3/0 AWG AL	55	55	45	45	16.15	16.15	34.90	1089	165
QØTLRYC	2-1/C 4/0 AWG AL	2/0 AWG AL	55	55	45	45	17.48	14.94	37.74	1176	185
QØTLTØC	2-1/C 4/0 AWG AL	4/0 AWG AL	55	55	45	45	17.48	17.48	37.74	1311	185
QØULSYC	2-1/C 250 MCM AL	3/0 AWG AL	65	55	65	45	20.32	16.15	43.94	1488	215
QØULUØC	2-1/C 250 MCM AL	250 MCM AL	65	65	65	65	20.32	20.32	43.94	1687	215
QØVLUYC	2-1/C 350 MCM AL	250 MCM AL	65	65	65	65	22.73	20.29	49.10	2028	260
QØVLVØC	2-1/C 350 MCM AL	350 MCM AL	65	65	65	65	22.73	22.73	49.10	2199	260
QØWLVYC	2-1/C 500 MCM AL	350 MCM AL	65	65	65	65	25.81	22.73	55.75	2695	330
QØWLWØC	2-1/C 500 MCM AL	500 MCM AL	65	65	65	65	25.81	25.81	55.75	2945	330

Information Subject to Change without Notice.

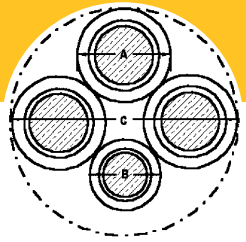
PRODUCT NOTES:

†Ampacities are based on the following:

▲ 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.

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.





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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												
QØMMKYC	3-1/C 2 AWG AL	4 AWG AL	45	45	30	30	10.87	9.47	23.47	578	95	
QØQMMYC	3-1/C 1/0 AWG AL	2 AWG AL	55	45	45	30	13.92	10.87	30.07	920	120	
QØTMRYC	3-1/C 4/0 AWG AL	2/0 AWG AL	55	55	45	45	17.48	14.94	37.74	1614	185	
QØTMTØC	3-1/C 4/0 AWG AL	4/0 AWG AL	55	55	45	45	17.48	17.48	37.74	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.

