

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



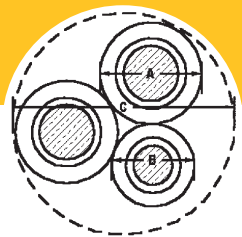
Dry Locations



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)		(B)	(C)			
						Phase	Neutral	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.

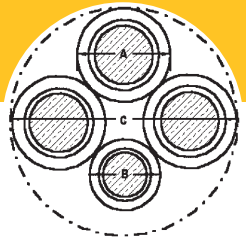
PRODUCT NOTES:

†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.





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)	(B)	(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.

