



Description

Multiple copper conductors with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation and a bare copper or aluminum neutral conductor. Assembly covered with separator tape and interlocked aluminum armour.

Specifications

CSA CSA C22.2 No. 51

Ratings

-40°C

For 90°C Dry Operation.



Design Parameters

Conductor

- Multiple, Solid or Class B Compressed or Compact copper strand 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.

Assembly

- Conductors cabled together with an uninsulated, solid or Class B stranded neutral conductor. A separator tape will be used over the assembly.

Armour

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

Options

- Galvanised steel interlocking armour (GSIA)
- Aluminum (ACM) phase and neutral conductor
- FT4 with addition of outer jacket

Installations



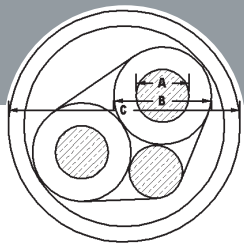
Conduit in Air



Isolated in Air



Dry Locations



AC90

600 Volt

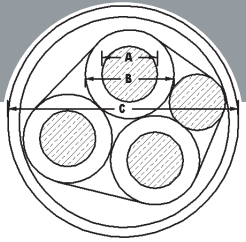
Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)		Insulation Diameter (mm)	Armor Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	Raceway
			(A)	(B)					
600 Volt Copper Two Conductor									
▲ QYZ001C	14 AWG CU	20	1.626	2.74	10.31	114	15		
▲ QYZ002C	12 AWG CU	20	2.057	3.18	11.18	142	20		
▲ QYZ003C	10 AWG CU	20	2.591	3.71	12.24	196	30		

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 (Tables 2 and 5C of CEC C22.1): Multiple conductors, 85-90°C conductor temperature, and 30°C ambient temperature.

Information Subject to Change without Notice.



AC90

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)		Insulation Diameter (mm)	Armor Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	Raceway
			(A)	(B)					
600 Volt Copper Three Conductor									
▲ QYZ004C	14 AWG CU	20	1.626	2.74	10.74	138	15		
▲ QYZ005C	12 AWG CU	20	2.057	3.18	11.68	179	20		
▲ QYZ006C	10 AWG CU	20	2.591	3.71	12.83	251	30		
▲ Q00700C	8 AWG CU	30	3.404	5.03	15.44	450	45		
▲ Q01700C	6 AWG CU	30	4.293	5.92	18.97	641	65		
▲ QYZ010C	3 AWG CU	40	6.071	8.20	23.77	1101	105		
▲ Q09700C	2 AWG CU	40	6.807	8.94	24.64	1306	120		

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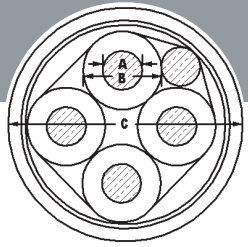
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1-800-845-8507 (US)
 1-800-263-4405 (West-CAN)
 1-800-361-1418 (East-CAN)

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 www.prysmiancanada.com



AC90

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)		Insulation Diameter (mm)	Armor Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	Raceway
			(A)	(B)					
600 Volt Copper Four Conductor									
▲ QYZ007C	14 AWG CU	20	1.626	2.74	11.94	167	12		
▲ QYZ008C	12 AWG CU	20	2.057	3.18	12.80	219	16		
▲ QYZ009C	10 AWG CU	20	2.591	3.71	14.30	314	24		

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