

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



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

- 2 conductor cable contains black and white circuit conductors, green isolated ground conductor, and a bare copper bonding conductor.
- 3 conductor cables contains black, white and red circuit conductors, green isolated ground conductor, and a bare copper bonding conductor.
- A separator tape is applied over the assembly.

Armour

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

Options

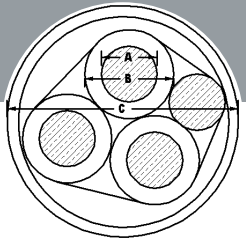
- Galvanised steel interlocking armour (GSIA)
- Aluminum (ACM) phase and neutral conductor

Installations

Conduit in Air

Isolated in Air

Dry Locations



ISO-BOND 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									
▲ QYZ004C	14 AWG CU	30	1.626	3.25	11.58	151	15		
▲ QYZ005C	12 AWG CU	30	2.057	3.68	12.52	192	20		
▲ QYZ006C	10 AWG CU	30	2.591	4.22	13.69	267	30		
▲ Q00700C	8 AWG CU	45	3.404	5.79	17.83	450	45		
▲ Q01700C	6 AWG CU	45	4.293	6.68	20.24	641	65		
▲ QYZ010C	3 AWG CU	45	6.071	8.46	24.18	1101	105		
▲ Q09700C	2 AWG CU	45	6.807	9.19	25.20	1306	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.

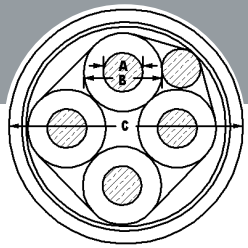
†Ampacities are based on the following:

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



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

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600 Volt

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			(A)	(B)					
600 Volt Copper Three Conductor									
▲ QYZ007C	14 AWG CU	30	1.626	3.25	12.70	182	12		
▲ QYZ008C	12 AWG CU	30	2.057	3.68	13.56	235	16		
▲ QYZ009C	10 AWG CU	30	2.591	4.22	15.06	331	24		

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