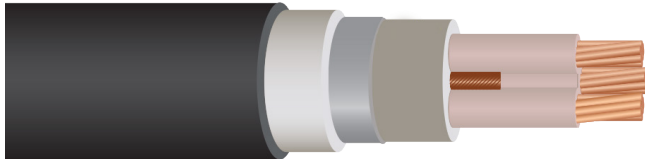


1kV 3/C AIRGUARD® CSA

Low Voltage Commercial & Industrial Cables



Description

Three conductor copper cable with high dielectric strength XLPE (RW90) insulation, cabled with grounding conductors and ripcord, extruded filler, foamed polymeric armor for superior mechanical protection, longitudinally applied aluminum tape with extruded polymeric layer for oil and hydrocarbon resistance, and overall moisture and sunlight resistant black PVC jacket.

Specifications

CSA- CSA C22.2 No. 38

CSA- CSA C22.2 No. 230

Ratings

RW90 (Phase Conductors)

FT4
 TC-ER
 -40°C
 Sunlight Resistant

For 90°C wet or dry operation.

Options

- Colored outer jacket
- Class B compressed phase conductors
- Aluminum phase conductor and bonding conductor

Design Parameters

CONDUCTOR: Soft drawn, bare, Class B compact stranded copper conductor per ASTM.

INSULATION: High dielectric strength crosslinked polyethylene (XLPE) insulation, with an optimum balance of mechanical and electrical properties.

GROUNDING CONDUCTORS: Bare stranded copper conductor per CSA and ASTM.










ASSEMBLY: Phase conductors cabled with grounding conductors and ripcord, extruded fillers, forming a firm and cylindrical cable core.

MECHANICAL PROTECTION: High mechanical strength and high crush resistant Air Bag® layer extruded over the core assembly the cable core.

CHEMICAL PROTECTION: A layer of Drylam™ which consists of aluminum tape acting as a moisture barrier and a chemical resistant extruded polymeric layer.

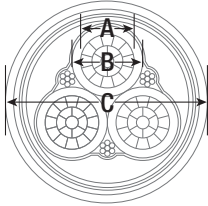
JACKET: Sunlight and moisture resistant polyvinyl chloride (PVC) jacket.

Installation

- | | |
|--|--|
|  In Cable Tray |  Conduit in Air |
|  Direct Buried |  Underground Duct |
|  Isolated in Air |  Wet Locations |
|  Dry Locations |  Industrial |
|  Variable Frequency Drive | |

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Product Number	Conductor	Insulation Thickness (mm)	Conductor Diameter (mm)	Insulation Diameter (mm)	Overall Diameter (mm)	Ground Conductors	Cable Weight (kg/km)	† Ampacity (Amps)	† † Impedance (Ω/km)
			(A)	(B)	(C)			90°C	90°C
1kV Copper Three Conductor									
QXM100A	1/0 AWG CU	2.03	8.66	12.93	39.42	3 X #10 AWG CU	3042	170	0.419 + j0.102
QXM101A	2/0 AWG CU	2.03	9.55	13.82	41.48	3 X #10 AWG CU	3551	195	0.333 + j0.10
QXM102A	3/0 AWG CU	2.03	10.74	15.01	46.41	3 X #8 AWG CU	4484	225	0.264 + j0.097
QXM103A	4/0 AWG CU	2.03	12.17	16.43	49.66	3 X #8 AWG CU	5316	260	0.210 + j0.09
QXM104A	250 MCM CU	2.28	13.26	18.03	53.31	3 X #8 AWG CU	6173	290	0.178 + j0.095
QXM105A	350 MCM CU	2.28	15.80	20.57	59.11	3 X #7 AWG CU	8078	350	0.127 + j0.091
QXM106A	500 MCM CU	2.28	18.85	23.62	66.09	3 X #6 AWG CU	10830	430	0.090 + j0.089

PRODUCT NOTES:

⁵ 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:

Table 2 and Rule 12-2210 of the Canadian Electrical Code, Part 1. Allowable ampacities for not more than 3 copper conductors in raceway or cable (based on ambient temperature of 30°C).