

Description

Single copper or aluminum (ACM) conductor with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation.

Specifications

CSA CSA C22.2 No. 38

Ratings

-40°C

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Single Solid, Class B Compressed or Compact concentric strand, copper or aluminum (ACM), 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.

Options

- Colored insulation
- PVC jacket for FT1 rating
- Multiconductor (parallel or twisted)
- Outdoor per CSA
- 600 Volt-rated product

Installations

● Direct Buried

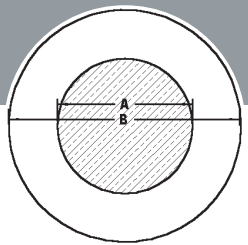
● Isolated in Air

 Wet Locations

 Conduit in Air

 Underground Duct

 Dry Locations



RWU90

1kV

Product Number	Conductor	Insulation Thickness (mil)	Conductor Diameter (mm)		Insulation Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	
			(A)	(B)			In Free Air	Raceway
1kV Copper								
QYZ018C	14 AWG CU	60	1.80	5.08	34	20	15	
QYZ019C	12 AWG CU	60	2.26	5.33	48	25	20	
QYZ020C	10 AWG CU	60	2.87	6.10	69	40	30	
Q00860C	8 AWG CU	80	3.40	7.62	107	70	45	
Q01860C	6 AWG CU	80	4.29	8.64	159	100	65	
Q02860C	4 AWG CU	80	5.41	9.65	237	135	85	
QYZ021C	3 AWG CU	80	6.07	10.41	290	155	105	
Q03860C	2 AWG CU	80	6.81	11.18	359	180	120	
Q06860C	1 AWG CU	95	7.59	12.70	455	210	140	
Q08860C	1/0 AWG CU	95	8.59	13.72	562	245	155	
Q09860C	2/0 AWG CU	95	9.60	14.73	696	285	185	
Q0A860C	3/0 AWG CU	95	10.82	15.75	863	330	210	
Q0B860C	4/0 AWG CU	95	12.14	17.27	1088	385	235	
Q0C860C	250 MCM CU	110	14.17	20.07	1298	425	265	
QYZ022C	300 MCM CU	110	15.52	21.34	1539	480	295	
Q0D860C	350 MCM CU	110	16.79	22.61	1780	530	325	
Q0E860C	500 MCM CU	110	20.04	25.91	2501	660	395	
Q0F860C	750 MCM CU	125	24.59	31.24	3724	845	500	
Q0G860C	1000 MCM CU	125	28.37	35.05	4887	1000	585	

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.

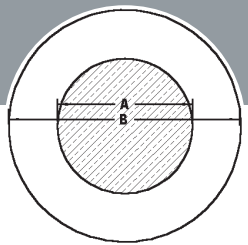
†Ampacities are based on the following:

In Free Air (Table 1 of CEC C22.1): Single conductor, 85-90°C conductor temperature, and 30°C ambient temperature.
 Raceway (Table 2 of CEC C22.1): Not more than three 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)

www.prysmianusa.com
 www.prysmiancanada.com



RWU90

1kV

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)		Outside Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	
			(A)	(B)			In Free Air	Raceway
1kV Aluminum								
▲ QØJ86ØC	6 AWG AL	80	4.29	8.56	77	80	55	
▲ QØK86ØC	4 AWG AL	80	5.41	9.68	105	105	65	
▲ QØM86ØC	2 AWG AL	80	6.81	11.18	148	140	95	
▲ QØO86ØC	1 AWG AL	95	7.65	12.67	191	165	105	
▲ QØQ86ØC	1/0 AWG AL	95	8.59	13.61	229	190	120	
▲ QØR86ØC	2/0 AWG AL	95	9.60	14.63	275	220	145	
▲ QØT86ØC	4/0 AWG AL	95	12.14	17.17	403	300	185	
▲ QØU86ØC	250 MCM AL	110	13.28	19.08	486	330	215	
▲ QØV86ØC	350 MCM AL	110	15.72	21.77	646	415	260	
▲ QØW86ØC	500 MCM AL	110	18.80	24.59	882	515	330	
▲ QØX86ØC	750 MCM AL	125	23.11	29.67	1316	670	405	

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 All metric (SI) dimensions are derived from a soft conversion.

†Ampacities are based on the following:

In Free Air (Table 3 of CEC C22.1): Single conductor, 85-90°C conductor temperature, and 30°C ambient temperature.
 Raceway (Table 4 of CEC C22.1): Not more than three conductors, 85-90°C conductor temperature, and 30°C ambient temperature.



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