



## 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)
- 1kV-rated product
- Outdoor per CSA

## Installations



Conduit in Air



Isolated in Air



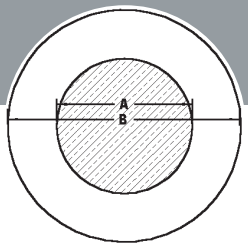
Underground Duct



Wet Locations



Dry Locations



# RW90

600 Volt

Product Number	Conductor	Insulation Thickness (mil)	Conductor Diameter (mm)	Insulation Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)		
						In free Air	Raceway	
<b>600 Volt Copper</b>								
▲ QYZ011C	14 AWG CU	30	1.80	3.56	25	20	15	
▲ QYZ012C	12 AWG CU	30	2.26	3.81	38	25	20	
▲ QYZ013C	10 AWG CU	30	2.87	4.57	57	40	30	
▲ Q00850C	8 AWG CU	45	3.40	5.84	91	70	45	
▲ Q01850C	6 AWG CU	45	4.29	6.60	139	100	65	
▲ Q02850C	4 AWG CU	45	5.41	7.87	213	135	85	
▲ QYZ014C	3 AWG CU	45	6.07	8.38	265	155	105	
▲ Q04850C	2 AWG CU	45	6.81	9.14	331	180	120	
▲ Q06850C	1 AWG CU	55	7.59	10.41	420	210	140	
▲ Q07850C	1/0 AWG CU	55	8.59	11.43	526	245	155	
▲ Q09850C	2/0 AWG CU	55	9.60	12.45	655	285	185	
▲ Q0A850C	3/0 AWG CU	55	10.82	13.72	818	330	210	
▲ Q0B850C	4/0 AWG CU	55	12.14	14.99	1024	385	235	
▲ Q0C850C	250 MCM CU	65	14.17	17.78	1237	425	265	
▲ QYZ015C	300 MCM CU	65	15.52	19.05	1473	480	295	
▲ Q0D850C	350 MCM CU	65	16.79	20.32	1710	530	325	
▲ QYZ016C	400 MCM CU	65	17.93	21.34	1948	575	345	
▲ Q0E850C	500 MCM CU	65	20.04	23.62	2421	660	395	
▲ QYZ017C	600 MCM CU	80	22.00	26.16	2919	740	455	
▲ Q0F850C	750 MCM CU	80	24.59	28.96	3628	845	500	
▲ Q0G850C	1000 MCM CU	80	28.37	32.77	4805	1000	585	

Information Subject to Change without Notice.

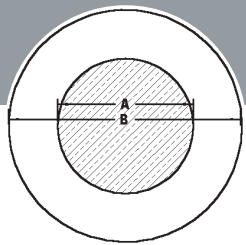
**PRODUCT NOTES:**

▲ 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.





# RW90

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Conductor Diameter (mm)		Insulation Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)		
			(A)	(B)			In free Air	Raceway	
<b>600 Volt Aluminum</b>									
▲ QØJ85ØC	6 AWG AL	45	4.29	6.60	56	80	55		
▲ QØK85ØC	4 AWG AL	45	5.41	7.87	81	105	65		
▲ QØM85ØC	2 AWG AL	45	6.81	9.14	121	140	95		
▲ QØO85ØC	1 AWG AL	55	7.65	10.54	156	165	105		
▲ QØQ85ØC	1/0 AWG AL	55	8.59	11.43	190	190	120		
▲ QØR85ØC	2/0 AWG AL	55	9.60	12.45	233	220	145		
▲ QØS85ØC	3/0 AWG AL	55	10.82	13.72	287	255	165		
▲ QØT85ØC	4/0 AWG AL	55	12.14	15.04	354	300	185		
▲ QØU85ØC	250 MCM AL	65	13.28	16.79	427	330	215		
▲ QYZØ23C	300 MCM AL	65	14.58	18.08	504	375	240		
▲ QØV85ØC	350 MCM AL	65	15.72	19.23	580	415	260		
▲ QYZØ24C	400 MCM AL	65	16.87	20.37	655	450	290		
▲ QØW85ØC	500 MCM AL	65	18.80	22.30	805	515	330		
▲ QØX85ØC	750 MCM AL	80	23.11	27.43	1223	670	405		
▲ QØY85ØC	1000 MCM AL	80	26.92	31.24	1603	800	480		

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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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