



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
- SR per CSA

Installations



Conduit in Air



Isolated in Air



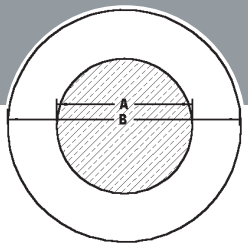
Underground Duct



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)		
			(A)	(B)			In free Air	Raceway	
600 Volt Copper									
▲ 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		

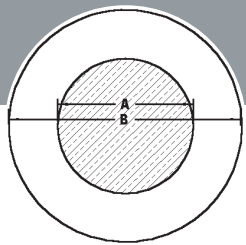
Information Subject to Change without Notice.

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	
600 Volt Aluminum									
▲ 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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