

## Description

Multiple aluminum (ACM) conductors with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation and a bare aluminum bonding conductor. Assembly covered with separator tape, interlocked aluminum armour, and overall PVC jacket.

## Specifications

**CSA** CSA C22.2 No. 51

## Ratings

-40°C  
FT4  
AG14  
Sunlight Resistant

**CSA** CSA 22.2 No. 174

HL

For 90°C Wet or Dry Operation.



## Design Parameters

### Conductor

- Multiple, Class B Compressed or Compact concentric strand, 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.

### Neutral Conductor

- Class B neutral conductor stranded bare aluminum is included in the cable assembly.

### Assembly

- Conductors cabled together with an uninsulated, Class B strand aluminum neutral conductor. A separator tape will be used over the assembly.

### Armour

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

### Jacket

- Black low-temperature polyvinyl chloride (PVC) is extruded over the armour.

## Options

- Galvanized steel interlocking armour (GSIA)
- Copper phase and neutral conductors
- Colored jacket

## Installations

 In Cable Tray

 Conduit in Air

 Direct Buried

 Underground Duct

 Isolated in Air

 Wet Locations

 Dry Locations



# MULTICONDUCTOR ACWU90

600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Bonding Conductor Size	Conductor Diameter (mm)				Jacket Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	Raceway
				(A)	(B)	(C)	(D)				
<b>600 Volt Aluminum Three Conductor</b>											
▲ QØJ72ØC	6 AWG AL	30	8 AWG	4.29	5.92	18.67	21.21	416	55		
▲ QØK72ØC	4 AWG AL	40	6 AWG	5.41	7.54	22.28	24.82	568	65		
▲ QØM72ØC	2 AWG AL	40	6 AWG	6.81	8.94	24.64	27.18	720	95		
▲ QØO72ØC	1 AWG AL	50	4 AWG	7.65	10.29	27.99	30.53	890	105		
▲ QØQ72ØC	1/0 AWG AL	50	4 AWG	8.59	11.23	29.59	32.13	1015	120		
▲ QØR72ØC	2/0 AWG AL	50	4 AWG	9.60	12.24	31.88	34.42	1181	145		
▲ QØS72ØC	3/0 AWG AL	50	4 AWG	10.82	13.46	34.52	36.83	1378	165		
▲ QØT72ØC	4/0 AWG AL	50	4 AWG	12.14	14.78	37.36	39.90	1618	185		
▲ QØU72ØC	250 MCM AL	60	2 AWG	13.28	16.43	41.71	44.75	2049	215		
▲ QØV72ØC	350 MCM AL	60	2 AWG	15.72	18.87	47.63	50.67	2643	260		
▲ QØW72ØC	500 MCM AL	60	1 AWG	18.80	21.95	54.25	57.30	3463	330		
▲ QØX72ØC	750 MCM AL	60	1/0 AWG	23.11	26.26	63.58	66.62	4826	405		

Information Subject to Change without Notice.

**PRODUCT NOTES:**

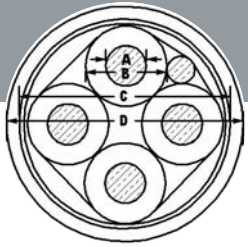
▲ Items are Prysmian authorized stock.  
 The above dimensions are approximate and subject to normal manufacturing tolerances.  
 All metric (SI) dimensions are derived from a soft conversion.

†Ampacities are based on the following:  
 Raceway (Tables 4 and 5C of CEC C22.1): Multiple conductors, 85-90°C conductor temperature, and 30°C ambient temperature.



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600 Volt

Product Number	Conductor	Insulation Thickness (mils)	Bonding Conductor Size	Conductor Diameter (mm)	Insulation Diameter (mm)	Armor Diameter (mm)	Jacket Diameter (mm)	Cable Weight (kg/km)	† Ampacity (Amps)	Raceway
				(A)	(B)	(C)	(D)			
<b>600 Volt Aluminum Four Conductor</b>										
▲ QØM73ØC	2 AWG AL	40	6 AWG	6.81	8.94	27.56	30.10	878	76	
▲ QØ073ØC	1 AWG AL	50	4 AWG	7.65	10.29	31.47	34.01	1097	84	
▲ QØQ73ØC	1/0 AWG AL	50	4 AWG	8.59	11.23	33.38	35.92	1261	96	
▲ QØR73ØC	2/0 AWG AL	50	4 AWG	9.60	12.24	35.05	37.59	1455	116	
▲ QØS73ØC	3/0 AWG AL	50	4 AWG	10.82	13.46	38.02	40.56	1710	132	
▲ QØT73ØC	4/0 AWG AL	50	4 AWG	12.14	14.78	42.62	45.67	2204	148	
▲ QØU73ØC	250 MCM AL	60	2 AWG	13.28	16.43	46.63	49.68	2591	172	
▲ QØV73ØC	350 MCM AL	60	2 AWG	15.72	18.87	52.53	55.58	3307	208	
▲ QØW73ØC	500 MCM AL	60	1 AWG	18.80	21.95	59.97	63.02	4366	264	
▲ QØX73ØC	750 MCM AL	60	1/0 AWG	23.11	26.26	70.41	73.46	6140	324	

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