

Description

Three conductor cable with two aluminum phase conductors insulated with a low temperature, moisture resistant cross-linked polyethylene (XLPE) insulation that is formulated for a balance of flexibility and mechanical toughness, in a parallel assembly, a concentrically applied uninsulated neutral conductor, binder tape, and an overall PVC jacket.

Specifications

CSA CSA C22.2 No. 52

Ratings

-40°C
FT1
Sunlight Resistant

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Two, Class B Compact, aluminum alloy 1350 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.

Assembly

- Full or reduced copper neutral conductor helically applied over the paralleled phase conductors. A binder tape is applied over the neutral conductor.

Jacket

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

Options

- Colored insulation
- Colored jacket
- Copper or ACM conductors
- 4/C USEB 90

Installations



Conduit in Air



Direct Buried



Underground Duct



Wet Locations



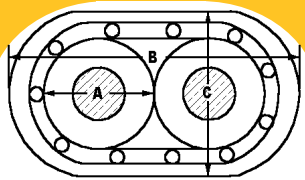
Dry Locations



Utility Secondary



Industrial



USEB90

600 Volt

Product Number	Phase Conductors	Insulation Thickness (mils)		Insulation Diameter (mm)		Major Dimension (mm)		Minor Dimension (mm)		Cable Weight (kg/km)	Neutral Configuration	Reduced or Full Neutral	† Ampacity (Amps)
		(A)	(B)	(C)									
600 Volt Aluminum Three Conductor													
QØJ94YC	6 AWG AL	45	6.68	19.30	12.62	268	7-#18	Reduced	55				
QØJ94ØC	6 AWG AL	45	6.68	19.30	12.62	304	11-#18	Full	55				
QØK94YC	4 AWG AL	45	7.80	22.56	14.76	402	11-#18	Reduced	65				
QØK94ØC	4 AWG AL	45	7.80	22.56	14.76	449	17-#18	Full	65				
QZ5568C	3 AWG AL	45	8.46	24.36	15.90	476	9-#16	Reduced	75				
QZ5589C	3 AWG AL	45	8.46	24.36	15.90	525	13-#16	Full	75				
QØM94YC	2 AWG AL	45	9.19	25.88	16.69	557	11-#16	Reduced	95				
QØM94ØC	2 AWG AL	45	9.19	25.88	16.69	630	17-#16	Full	95				
QØO94YC	1 AWG AL	55	10.54	28.58	18.03	669	13-#16	Reduced	105				
QØO94ØC	1 AWG AL	55	10.54	28.58	18.03	767	21-#16	Full	105				
QØQ94YC	1/0 AWG AL	55	11.48	30.45	18.97	801	17-#16	Reduced	120				
QØQ94ØC	1/0 AWG AL	55	11.48	30.45	18.97	910	26-#16	Full	120				
QØR94YC	2/0 AWG AL	55	12.50	32.49	19.99	958	22-#16	Reduced	145				
QØR94ØC	2/0 AWG AL	55	12.50	33.15	20.65	1108	21-#14	Full	145				
QØS94YC	3/0 AWG AL	55	13.72	34.93	21.21	1135	26-#16	Reduced	165				
QØS94ØC	3/0 AWG AL	55	13.72	35.59	21.87	1330	26-#14	Full	165				
QØT94YC	4/0 AWG AL	55	15.04	38.23	23.19	1386	21-#14	Reduced	185				
QØT94ØC	4/0 AWG AL	55	15.04	39.12	24.08	1642	21-#12	Full	185				
QØU94YC	250 MCM AL	65	16.79	41.73	24.94	1653	26-#14	Reduced	215				
QØU94ØC	250 MCM AL	65	16.79	42.62	25.83	1967	26-#12	Full	215				
QZ5569C	300 MCM AL	65	18.08	46.74	28.65	2102	21-#12	Reduced	240				
QZ559ØC	300 MCM AL	65	18.08	47.80	29.72	2501	21-#10	Full	240				
QØV94YC	350 MCM AL	65	19.23	49.02	29.79	2421	26-#12	Reduced	260				
QØV94ØC	350 MCM AL	65	19.23	50.09	30.86	2861	25-#10	Full	260				

Information Subject to Change without Notice.

PRODUCT NOTES:

†Ampacities are based on the following:

▲ 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.

Canadian Electrical Code, Part 1, Rule 4-004, Subrule (2)(b), as specified in Table 4, 2- or 3-conductor cable, 85-90°C conductor temperature, 30°C ambient temperature.