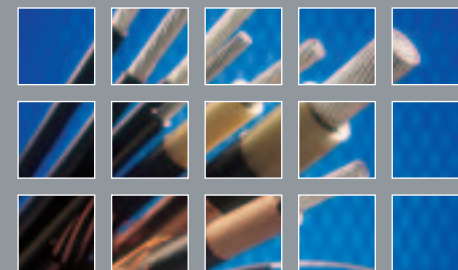




600 Volt TYPE SE STYLE U



July 2002

Description

Three conductor cable with two aluminum phase conductors insulated with extruded high dielectric strength cross-linked polyethylene (XLPE), Type XHHW-2, in a parallel assembly, a concentrically applied uninsulated aluminum neutral conductor, an core binder tape, and an overall PVC jacket.

Specifications

Ratings

UL UL 854 Type SE Style U

UL UL 44 Type XHHW-2
Sunlight Resistant

FED Federal Specification JC-30B

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Two, Series 8000 aluminum, Class B Compact concentric stranded phase conductors 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 aluminum neutral conductor helically applied over the two paralleled phase conductors. A reinforced fiberglass binder tape is applied over the neutral conductor.

Jacket

- A gray sunlight-resistant polyvinyl chloride (PVC) jacket is extruded over the assembly.

Options

- Type SE - rounded constructions (#6 and #4 AWG only)

Installations



Service Entrance



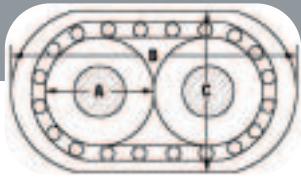
Wet Locations



Dry Locations



Industrial



TYPE SE STYLE U

600 Volt

Product Number	Conductor	Jacket Thickness (mils)	Conductor Diameter (in.)			Major Dimension (in.)	Minor Dimension (in.)	Cable Weight (lbs/Mft)	Concentric Ground		Reduced or Full Neutral			† Ampacity (Amps)	
			(A)	(B)	(C)				No. of Wires	Diameter(in.)	60°C	75°C	90°C	Dwelling Service	
600 Volt Series Aluminum Three Conductor															
▲ QØK49ØC	4 AWG AL	30	0.213	0.80	0.50	201	16	0.051	Full	55	65	75	-		
▲ QØM49YC	2 AWG AL	30	0.268	0.92	0.55	262	16	0.051	Reduced	75	90	100	100		
▲ QØM49ØC	2 AWG AL	30	0.268	0.93	0.57	288	20	0.058	Full	75	90	100	100		
▲ QØO49ØC	1 AWG AL	30	0.301	1.05	0.63	359	20	0.065	Full	85	100	115	110		
QØQ49YC	1/0 AWG AL	30	0.338	1.11	0.66	393	20	0.058	Reduced	100	120	135	125		
▲ QØQ49ØC	1/0 AWG AL	30	0.338	1.14	0.69	434	20	0.073	Full	100	120	135	125		
▲ QØR49YC	2/0 AWG AL	30	0.378	1.20	0.71	473	20	0.065	Reduced	115	135	150	150		
▲ QØR49ØC	2/0 AWG AL	30	0.378	1.24	0.75	525	20	0.082	Full	115	135	150	150		
▲ QØT49YC	4/0 AWG AL	30	0.478	1.44	0.85	701	20	0.082	Reduced	150	180	205	200		
▲ QØT49ØC	4/0 AWG AL	30	0.478	1.48	0.89	782	20	0.103	Full	150	180	205	200		

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Pirelli authorized stock.
The above dimensions are approximate and subject to normal manufacturing tolerances.

† Ampacities are based on the following:

NEC Tables 310-16: Not more than three current-carrying conductors in raceway, cable, or earth (directly buried), 60°C, 75°C, or 90°C conductor temperature, and 30°C ambient temperature.
For Dwelling Service, conductors shall be permitted at listed ampacities to be utilized as 120/240-volt, 3-wire, single-phase service conductors that supply the total load.

