

Type RPVU90 Cable



XLPE Insulation

Copper/
Aluminum
conductors

Application:

RPVU90 cables may be installed indoors or outdoors, in raceways and conduits, both above and below ground, and may be direct buried. Direct buried installations must comply with CE Code Rules 12-012 and 4-004. They are 90°C, 2 kV rated, and suitable for use in a photovoltaic system.

Type RPVU90 cables are for use on the DC and AC side of a photovoltaic system, suitable for installation in both wet and dry locations, and may be exposed to sunlight.

RPVU90 cables are RoHS Compliant.

Structure:

Aluminum:

- sizes from #6 AWG to 1000 kcmil, stranded
- compact stranded AA-8000 series aluminum conductor material (ACM) per ASTM B801 Class B or ASTM B836

Copper:

- sizes from #14 AWG to 1000 kcmil, solid or stranded
- bare, stranded annealed per ASTM B8 Class B compressed

Standard:

- CSA C22.2 No. 38 - Thermoset-Insulated Wires and Cables
- CSA C22.2 No. 271-11
- ASTM B3, B8, B787

CSA listed

Voltage:

2000V

Working temperature:

90°C MAX, -40°C MIN

No.	CHARACTERISTICS	UNIT	DATA
1	Type		RPVU90 Cable
2	Rated Voltage	V	2000
3	Size	AWG	10
4	Standard Applied		CSA C22.2
5.1	Power Cores		
	Cross sectional area	AWG	10
	Material		Stranded Annealed Copper, 19 Strands
	Diameter of Conductor	mm	3.00
5.2	Power Insulation		
	Material		XLPE(Red & Black)
	Nominal thickness	mm	1.52
5.3	OD of the finished cable (Approx.)	mm	6.04
6	Weight of the finished cable (Approx.)	kg/km	79
7	DC resistance of Conductor at 20°C	Ω/km	5.59
8	Package		Plywood drum
9	Packing length	M	1500

Print Legend:

EDISONFLEX™ [P/N] **RPVU90 WIRE** 10 AWG (5.25mm²) 90°C WET/DRY 1kV/2kV SUN RES DIR BUR
CSA [FILE #] CU/ XLPE FV-1 -40C [MFG YEAR] *****M

No.	CHARACTERISTICS	UNIT	DATA
1	Type of the cable		RPVU90 Cable
2	Rated Voltage	V	2000
3	Size	KCMIL	500
4	Standard Applied		CSA C22.2
5.1	Power Cores		
	Cross sectional area	KCMIL	500
	Material		Stranded Aluminum Alloy
	Diameter of Conductor	mm	18.7
5.2	Power Insulation		
	Material		XLPE(Red & Black)
	Nominal thickness	mm	2.79
5.3	OD of the finished cable (Approx.)	mm	24.3
6	Weight of the finished cable (Approx.)	kg/km	875
7	DC resistance of Conductor at 20°C	Ω/km	0.116
8	Package		Plywood drum
9	Packing length	M	1000

Print Legend:

EDISONFLEX™ [P/N] **RPVU90 WIRE** 500 KCMIL (240mm²) 90°C WET/DRY 1kV/2kV SUN RES DIR
 BUR **CSA** [FILE #] AL/ XLPE FV-1 -40C [MFG YEAR] *****M

No.	CHARACTERISTICS	UNIT	DATA
1	Type of the cable		RPVU90 Cable
2	Rated Voltage	V	2000
3	Size	KCMIL	750
4	Standard Applied		CSA C22.2
5.1	Power Cores		
	Cross sectional area	KCMIL	750
	Material		Stranded Aluminum Alloy
	Diameter of Conductor	mm	22.6
5.2	Power Insulation		
	Material		XLPE(Red & Black)
	Nominal thickness	mm	3.18
5.3	OD of the finished cable (Approx.)	mm	29.0
6	Weight of the finished cable (Approx.)	kg/km	1,282
7	DC resistance of Conductor at 20°C	Ω/km	0.0774
8	Package		Plywood drum
9	Packing length	M	600

Print Legend:

EDISONFLEX™ [P/N] **RPVU90 WIRE** 750 KCMIL (400mm²) 90°C WET/DRY 1kV/2kV SUN RES DIR
 BUR **CSA** [FILE #] AL/ XLPE FV-1 -40C [MFG YEAR] *****M