

UL11627 105°C 2000V 239U



Application

Cardiff Cable's UL11627 239U single core wire is UL & CUL certified and suitable for the North American market. It is widely used in high-voltage electrical connections within industrial and residential electrical equipment, including electrical cabinet connectors and control rooms. The product offers enhanced flexibility, ease of installation, and space-saving benefits.

Construction

Conductor	Composed of finely stranded bare copper or tinned copper wires, conforming to UL758 and UL1581 standards.
Insulation	Made from a special PVC compound.
Insulation Color	According to the RAL color chart or Cardiff Cable's standard specifications.

Technical Data

Rated Voltage	2000V UL & CUL
Test Voltage	5000V
Operating Temperature	For flexible installation: -15°C to +105°C For fixed installation: -40°C to +105°C
Minimum Bending Radius	Cross-sectional area < 6 AWG: 4 times the cable's outer diameter Cross-sectional area > 6 AWG: 8 times the cable's outer diameter
Insulation Resistance	≥ 20MΩ·km (at 20°C)
Flame Retardancy	Complies with VW-1 and FT1 standards
Environmental Requirements	Complies with RoHS standards

Order Number	Conductor Cross-Section (AWG)	Approx. Outer Diameter (mm)	Approx. Weight (kg/km)	Order Number	Conductor Cross-Section (AWG)	Approx. Outer Diameter (mm)	Approx. Weight (kg/km)
239 00026 ***	26	2.0	5.8	239 00008 ***	8	6.6	117.0
239 00024 ***	24	2.2	7.1	239 00006 ***	6	8.3	189.8
239 00022 ***	22	2.3	8.8	239 00004 ***	4	9.8	289.2
239 00020 ***	20	2.5	11.2	239 00002 ***	2	10.8	402.3
239 00018 ***	18	2.7	14.6	239 00001 ***	1	12.6	521.2
239 00016 ***	16	3.0	21.0	239 00201 ***	2/0	14.9	805.1
239 00014 ***	14	3.5	30.8	239 00301 ***	3/0	16.3	997.6
239 00012 ***	12	3.9	43.0	239 00401 ***	4/0	18.7	1252.1
239 00010 ***	10	4.6	65.1				

Remarks:

** represent the core color

000 Green/Yellow	001 Black	002 Blue	003 Brown	004 Red	005 White	006 Grey
007 Purple	008 Pink	009 Orange	010 Transparent	011 Yellow	012 Green	013 Dark Blue