



UL10267 105°C 2000V 185U



Application

Cardiff Cable's UL10267 185U 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 irradiated material used offers enhanced performance.

Construction

Conductor	Composed of finely stranded bare copper or tinned copper wires, conforming to UL758 and UL1581 standards.
Insulation	Made from irradiated XLPE material.
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)
185 00030 ***	30	1.25	2.2
185 00028 ***	28	1.35	2.8
185 00026 ***	26	1.45	3.5
185 00024 ***	24	1.55	4.4
185 00022 ***	22	1.70	5.7
185 00020 ***	20	1.90	7.9
185 00018 ***	18	2.15	11.2
185 00016 ***	16	2.50	16.6
185 00014 ***	14	2.90	24.5
185 00012 ***	12	3.40	36.8
185 00010 ***	10	4.35	59.8

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