

UL10269 105°C 1000V 183U



Application

Cardiff Cable's UL10269 183U single core wire is UL & CUL certified and suitable for the North American market. It is widely used in electrical connections within industrial and residential electrical equipment, including electrical cabinet connectors and control rooms. It can also be used for lighting applications. The product features excellent flexibility, easy installation, and space-saving design.

Construction

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

Technical Data

Rated Voltage	1000V UL & CUL
Test Voltage	3000V
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: 3 times the cable's outer diameter Cross-sectional area > 6 AWG: 6 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)
183 00026 ***	26	2.0	5.8	183 00008 ***	8	6.6	117.0
183 00024 ***	24	2.2	7.1	183 00006 ***	6	8.3	189.8
183 00022 ***	22	2.3	8.8	183 00004 ***	4	9.8	289.2
183 00020 ***	20	2.5	11.2	183 00002 ***	2	10.8	402.3
183 00018 ***	18	2.7	14.6	183 00001 ***	1	12.6	521.2
183 00016 ***	16	3.0	21.0	183 00201 ***	2/0	14.9	805.1
183 00014 ***	14	3.5	30.8	183 00301 ***	3/0	16.3	997.6
183 00012 ***	12	3.9	43.0	183 00401 ***	4/0	18.7	1252.1
183 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