

UL3173 125°C 600V 768U



Application

Cardiff Cable's UL3173 768U 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 connections in inverters and battery packs. 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 XLPE compound.
Insulation Color	According to Cardiff Cable's standard specifications.

Technical Data

Rated Voltage	600V UL & CUL
Test Voltage	2000V
Operating Temperature	For flexible installation: -15°C to +125°C For fixed installation: -40°C to +125°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, FT1, and FT2 standards
Environmental Requirements	Complies with RoHS standards

Order Number	Conductor Cross-Section (AWG)	Approx. Outer Diameter (mm)	Approx. Weight (kg/km)
768 00026 ***	26	2.1	6.1
768 00024 ***	24	2.2	7.3
768 00022 ***	22	2.4	9.0
768 00020 ***	20	2.5	11.4
768 00018 ***	18	2.8	15.0
768 00016 ***	16	3.1	20.8
768 00014 ***	14	3.5	29.6
768 00012 ***	12	4.0	42.7
768 00010 ***	10	4.8	66.9

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