

PRODUCT SPECIFICATION

TYPE: Flate Tray Cable
 600 Volts, 90°C dry, 75°C wet
 THHN-THWN Conductors (PVC/Nylon)
 PVC Jacket
 UL Listed Type TC per UL 1277
 FT4/IEEE 1202, Sunlight Resistant, Direct Burial

SIZE: xx AWG – xx AWG; x Conductors

I. SCOPE:

This specification covers the construction requirements for two-conductor flat power cables in accordance with Underwriters' Laboratories, Inc. Standard 1277, (UL) listed as Type TC.

The construction consists of stranded, bare annealed copper conductors with Polyvinyl Chloride (PVC) insulation and nylon jacket. The conductors are laid parallel and jacketed with sunlight resistant, Polyvinyl Chloride (PVC).

II. USES:

These cables are suitable for use installed in cable trays and raceways or when supported by a messenger for voltage ratings not exceeding 600 volts, at conductor temperatures not exceeding 90°C dry or 75°C wet.

These cables pass the UL 1277 Vertical Tray Flame Test and the IEEE 1202/FT4 flame test.

III. CONSTRUCTION DATA:

Size (AWG)	# of Cond.	Stranding	Insulation Thickness (PVC/Nylon) (mils)	Jacket Thickness (mils)	Nom. OD (width x height) (mils)	Nom. Weight (lbs/Mft)
12	2	19	15/4	45	355 x 228	71

A. CONDUCTOR:

Class C stranded, bare copper conforming to ASTM B3 and B8.

B. PRIMARY INSULATION:

The conductors are UL Type THHN/THWN per UL 83 with a PVC insulation and Nylon jacket.

C. COLOR CODE:

The insulation shall be colored as follows:
Black and Red

D. CABLE ASSEMBLY:

The two insulated conductors are laid parallel in a flat configuration.

E. OVERALL JACKET:

A flam resistant and sunlight resistant PVC jacket is applied to the overall construction.

F. SAMPLE PRINT

SOUTHWIRE (UL) AWG 12 2 CDRS TYPE TC THHN OR THWN CDRS 90C
JACKET SUNLIGHT RESISTANT DIRECT BURIAL 600 VOLTS FT4/IEEE 1202
SEQUENTIAL FOOTAGE MARKS