

STANDARDS

National : ICEA S-73-532; UL 1277; UL 83

DESCRIPTION

Applications

TC or TC-ER under UL 1277 Electrical Power and Control Cables may be installed in wet or dry locations; in cable trays, raceways and open air; and are suitable for exposure to weather, direct burial Class I, Div. 2 (also Zone 2) and Class II, Div. 2 hazardous locations, as well as Class III, Div. 1 & 2 hazardous locations per NEC. Cables with three or more conductors are UL listed for exposed runs (ER) when installed in accordance with NEC Article 336.10(7).

Construction

Conductor:

Bare, annealed copper conforming to ASTM B3 and Class B compressed stranded copper in accordance to ASTM B8.

Insulation:

Flame-retardant PVC/Nylon type THHN/THWN-2 per UL 83.

Assembly:

Two-conductor cables are supplied in a flat/parallel configuration. Ground wires are sized as required by UL 1277 (refer to applicable product tables for the standard sizes provided). Where necessary, a binder tape of synthetic material assembles the core in a tight circular configuration.

Jacket:

UL listed sunlight and moisture resistant, sequentially marked, black, flame retardant polyvinyl chloride (PVC) material meeting the requirements of UL 1277. A Nylon ripcord is included for ease of jacket removal. Jacket surface is printed with required UL / NEC code information and sequential footage markings.

Conductor Identification:

Color coded per Method #1-E2 per ICEA S-73-532