



Type TC Direct Burial Cable

Type TC Direct Burial Power and Control Cable is a 600V cable with three 100% copper conductors and ground tray cable. Inner insulation jackets are UL Listed THHN/THWN heat stabilized PVC/nylon insulation. Its tough PVC outer jacket resists mechanical damage, heat, flame, moisture, chemicals, sunlight, and corrosion. Designed for burial without conduit and rated for temperatures from -25°C to 90°C.

Features

- 100% bare annealed copper Class B compressed stranded conductors and ground wire
- UL Listed flame and moisture resistant jacket
- Ripcord under jacket eases stripping
- Rated for 600 Volts
- Made in the USA



Applications

- Approved for cable tray, raceway, direct burial, and aerial installations with messenger wire
- Complies with NEC Articles 318, 340, 501, 725
- Approved for tray use in Class 1, Div 2 hazardous locations and Class 1 control circuits as permitted in NEC Articles 318, 501
- 4 AWG is UL Listed for exposed runs (TC-ER) per NEC 336.10
- Use at temperatures up to 75°C wet or 90° dry

Industry Approvals

- ASTM
- UL 1277
- ICEA S-58-679 - Control Cable Conductor Identification Method 4
- UL 1685 - UL CT Flame Exposure Test (70,000 Btu/hr)
- ICEA T-29-520 - Vertical Cable Tray Flame Test (210,000 Btu/hr)
- ICEA 8-95-658 (NEMA WC 70) construction requirements
- IEEE 1202/FT4
- RoHS Compliant



Typical Legend

6 AWG 3 CDRS W/GND TYPE TC-ER THHN-THWN-2 CDRS 90C 600V SUN RES DIR BUR (UL) E153913

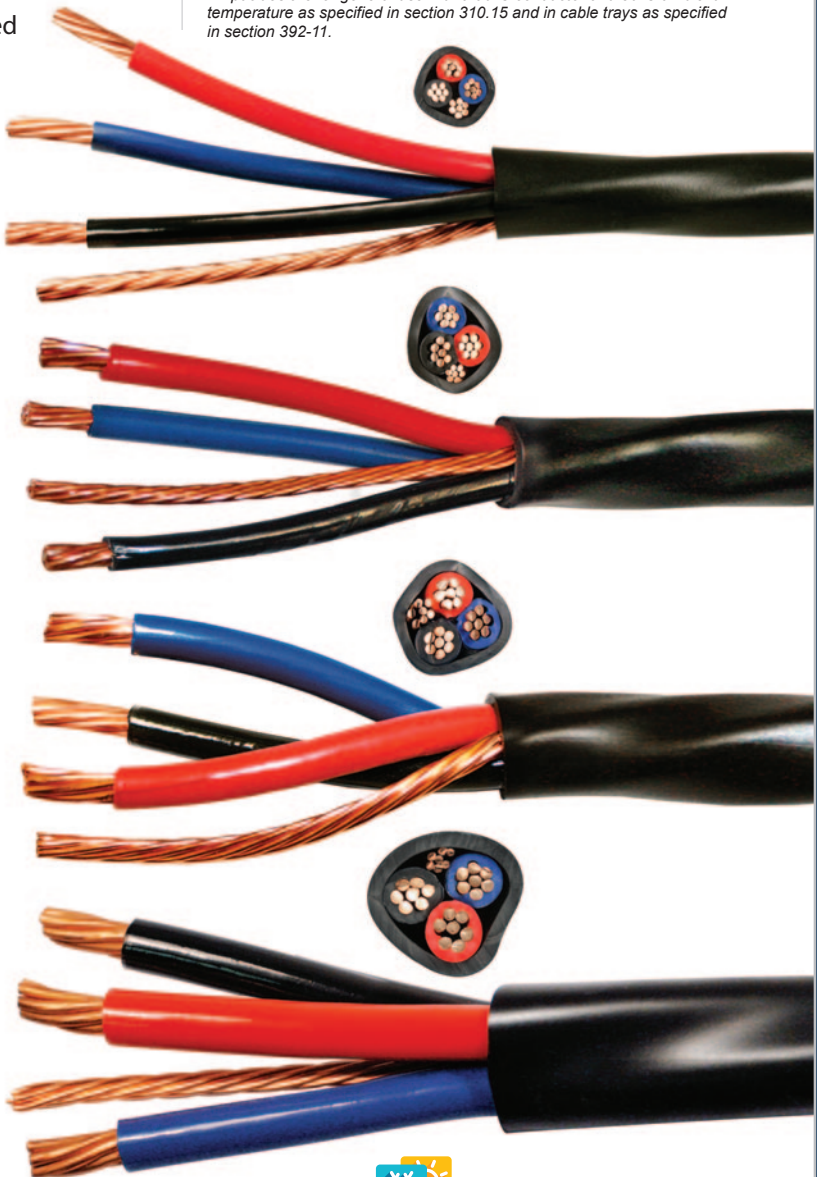
Type TC Direct Burial

Black outer jacket

Available by special order only (minimums apply)

Part Number	AWG/Conductors	Ampacity	
		75°C	90°C
THHN-103	10/3 with ground tray cable	35	40
THHN-83	8/3 with ground tray cable	50	55
THHN-63	6/3 with ground tray cable	65	75
THHN-43	4/3 with ground tray cable	85	95

NOTE: Ampacities based on Table 310.16 of the NEC, 2011 Edition. Ampacities are for general use with a 90°C conductor and 30°C ambient temperature as specified in section 310.15 and in cable trays as specified in section 392-11.



-25°C TO 75°C WET, 90°C DRY