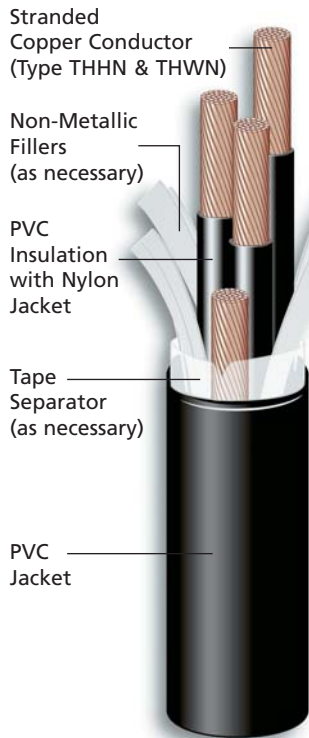


# TYPE TC-POWER CABLE

TYPE TC-POWER CABLE



## Engineering Specifications:

### Standards:

Underwriters Laboratories UL-1277  
National Electrical Code Article 336



Listed E-179429

### Construction:

#### Conductors:

Bare, soft-annealed stranded copper conductors per ASTM-B787 and UL-83

#### Insulation:

High dielectric strength, heat- and moisture-resistant, colored Polyvinyl Chloride (PVC) rated for continuous use at 90°C dry, 75°C wet to meet UL-83 requirements for type THHN or THWN wire.

#### Ground Conductor:

Soft, uncoated copper per ASTM-B787

#### Applications:

Primarily used for connecting power devices in an industrial environment. Suitable for installation in channels, ducts, wireways, cable trays, and conduit. Approved for direct burial in wet or dry locations and outdoors in cable trays where sunlight-resistant rating is required.

#### Assembly:

The insulated conductors are cabled together with or without a bare ground and with or without fillers as required to form a round, compact core. A Nylon rip-cord is supplied for easy stripping.

#### Color Coding:

Black insulation with ICEA Method 4 printed number

#### Overall Jacket:

The PVC jacket is abrasion, oil, and chemical resistant and is highly flame retardant to meet UL-1277 standard.

## Type TC Power Cable With Ground

Size (AWG)	Number of Conductors		Size of Ground Wire (AWG)	Outer Jacket Thickness PVC (inches)		Outside Diameter (inches)		Approx. Net Weight (lbs./1000 ft.)		Standard Packaging
				3	4	3	4	3	4	
8	3	4	10	.060	.060	.610	.660	315	385	1000' 5000' reels
6	3	4	8	.060	.060	.690	.760	452	558	1000' 4000' reels
4	3	4	8	.060	.060	.880	.880	704	704	1000' 3000' reels
2	3	4	6	.080	.080	1.008	1.115	1029	1287	1000' 2000' reels
1	3	4	6	.080	.080	1.135	1.258	1203	1642	1000' 2000' reels
1/0	3	4	6	.080	.080	1.225	1.355	1517	1931	1000' 2000' reels
2/0	3	4	6	.080	.080	1.328	1.468	1831	2426	500' 1000' 2000' reels
3/0	3	4	4	.080	.080	1.438	1.588	2249	2879	1000' 2000' reels
4/0	3	4	4	.080	.080	1.558	1.558	2740	2740	1000' 1500' reels

## Type TC Power Cable Without Ground

Size (AWG)	Number of Conductors		Outer Jacket Thickness PVC (inches)		Outside Diameter (inches)		Approx. Net Weight (lbs./1000 ft.)		Standard Packaging
			3	4	3	4	3	4	
8	3	4	.060	.060	.610	.655	282	351	1000' 5000' reels
6	3	4	.060	.060	.685	.750	400	504	1000' 4000' reels
4	3	4	.080	.080	.875	.961	652	826	1000' 3000' reels
2	3	4	.080	.080	1.004	1.105	947	1204	1000' 2000' reels
1	3	4	.080	.080	1.140	1.140	1121	1121	1000' 2000' 5000' reels
1/0	3	4	.080	.080	1.225	1.225	1436	1436	1000' 2000' reels
2/0	3	4	.080	.080	1.325	1.325	1750	1750	1000' 2000' reels
3/0	3	4	.080	.080	1.435	1.435	2120	2120	1000' 2000' 5000' reels
4/0	3	4	.080	.080	1.555	1.555	2610	2610	1000' 1500' 5000' reels

The above data is approximate and subject to normal manufacturing tolerances.

8 AWG THROUGH 4/0 AWG IS 19 STRANDS PER CONDUCTOR

PRINT LEGEND: E179429 (size) TYPE TC CABLE THHN OR THWN CDRS SUN-RES 600 VOLTS DIR-BUR (UL) DATE/TIME/OPER/QC

800.962.9473