



Draka

AUTO-FLEX TCP Flexible TC-ER Power Supply/Drop Cable

UL power tray cable / with 2 or 3 PVC/nylon insulated conductors
insulated grounding conductor / PVC jacket / 600V



Applications

Multi-conductor, 600 volt, UL Type Tray Cable / CSA TC with flexible strand copper, polyvinyl chloride (PVC) insulated and nylon jacketed circuit and grounding conductors, with a special formulated overall polyvinyl chloride (PVC) jacket. The cable is suitable for use in cable trays, aerial installations and as a power feed drop.

Features

1. CONDUCTORS

Flexible strand for easy installation. Class K stranded, soft drawn, bare copper per ASTM B 3 and ASTM B 172.

2. INSULATION

Heat and moisture resistant, polyvinyl chloride meeting the requirements of CSA C22.2 No. 75, ICEA S-95-658 (NEMA WC 70) and UL 83 for Type THHN and THWN wires. Insulation is acceptable for use in locations at 90°C dry and 75°C wet. Insulation thickness is in accordance with Table 10 of UL 83.

3. CONDUCTOR COVERING

Nylon covering applied directly to the surface of the PVC insulation. Meets the requirements of CSA C22.2 No. 75, ICEA S-95-658 (NEMA WC 70) and UL 83. The thickness is in accordance with Table 13 of UL 83.

4. CIRCUIT IDENTIFICATION

Two circuit and one ground version - black, red and green.

Three circuit and one ground version - black, red, blue and green.

5. ASSEMBLY

Insulated circuit and grounding conductors are cabled together with non-hygroscopic fillers as needed. Core is wrapped with Mylar binder tape.

6. OVERALL JACKET

Heat, moisture, oil and sunlight-resistant flame-retardant thermoset black polyvinyl chloride, meeting the requirements of CSA C22.2 No. 75, ICEA S-95-658 (NEMA WC 70) and UL 1277. Thickness in accordance with Table 11.3 of UL 1277.

Ratings

UL Standard 83 and 1277

ICEA S-95-658 (NEMA WC-70)

CSA C22.2 No. 75

TC-ER

c(UL) T90 NYLON TC FT4

Type WTTC 1000V



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Part Number	Conductor Number/Size	Ground Size AWG	Ampacity of Cable* @ 90°C (amps)	Allowable Ampacity** @ 30°C (amps)	Average Jacket Thickness in (mm)	Nominal Cable *O.D. in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
340568	3 / 6 AWG	8 AWG	87	65	.080 (2.0)	0.880 (22.4)	539 (802)
340567	3 / 4 AWG	8 AWG	114	85	.080 (2.0)	1.025 (26.0)	755 (1123)
340566	2 / 4 AWG	8 AWG	130	85	.080 (2.0)	0.930 (23.6)	540 (804)
340570	3 / 2 AWG	2 AWG	152	115	.080 (2.0)	1.245 (31.6)	1250 (1860)
340585	3 / 2 AWG	6 AWG	152	115	.080 (2.0)	1.245 (31.6)	1052 (1565)
340565	2 / 2 AWG	2 AWG	174	115	.080 (2.0)	1.125 (28.6)	955 (1421)
340586	2 / 2 AWG	6 AWG	174	115	.080 (2.0)	1.125 (28.6)	955 (1421)
340564	3 / 2/0 kcmil	2 AWG	237	175	.080 (2.0)	1.620 (41.1)	2063 (3070)
340584	3 / 2/0 kcmil	6 AWG	237	175	.080 (2.0)	1.530 (38.9)	1951 (2903)
340569	2 / 2/0 kcmil	2 AWG	271	175	.080 (2.0)	1.400 (35.6)	1463 (2177)
340563	3 / 4/0 kcmil	2 AWG	316	230	.110 (2.8)	1.925 (48.9)	3114 (4634)
340588	3 / 4/0 kcmil	4 AWG	316	230	.110 (2.8)	1.925 (48.9)	3026 (4503)
340562	2 / 4/0 kcmil	2 AWG	361	230	.110 (2.8)	1.680 (42.7)	2343 (3486)
340589	2 / 4/0 kcmil	4 AWG	361	230	.110 (2.8)	1.800 (45.2)	2090 (3110)
340580	3 / 250 kcmil	2 AWG	352	255	.110 (2.8)	2.050 (52.1)	3451 (5135)
340579†	3 / 373 kcmil	2 AWG	433	310	.110 (2.8)	2.260 (57.4)	4932 (7334)
340560	3 / 400 kcmil	2 AWG	468	335	.110 (2.8)	2.545 (64.6)	5264 (7832)

*Ampacity per NEC Handbook: Table 400.5(B) – Based on ambient temperature of 30°C (86°F)

**Ampacity per NEC Handbook: Table 310.16 – Allowable ampacities of insulated conductors rated 0 through 2000 volts, 60°C through 90°C (140°F through 194°F), not more than three current-carrying conductors in raceway, cable, or earth (directly buried), based on ambient temperature of 30°C (86°F)

†P/N 340579 conductors are Class I tinned copper, not Class K.

Optional features available are: 1) Flexible stranded conductors; 2) Tin-coated copper conductors per ASTM B33.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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