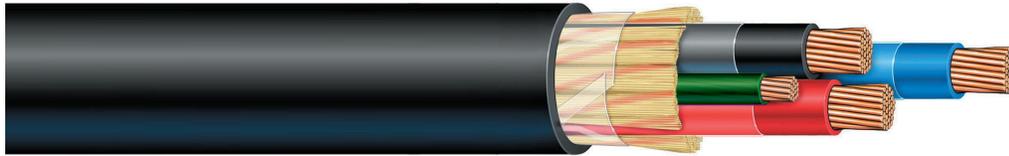


AUTO-FLEX[®] TCP Flexible TC-ER Power Supply/Drop Cable

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.

Specifications and 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



Design Parameters

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

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.

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.

CIRCUIT IDENTIFICATION: Two circuit and one ground version - black, red and green. Three circuit and one ground version - black, red, blue and green.

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

OVERALL JACKET: Heat and moisture resistant, black, specially formulated 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.

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

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.