

Tray Cable UL Type TC / TC-ER-JP 600V Generator Cable



APPLICATION:

Multi-conductor all in one cable for connecting a generator to a transfer switch. JP (Joist Pull) rated per the 2017 NEC 336.10(9). Black jacket and color coded inner conductors.

CONDUCTORS:

- Element 1: Annealed bare copper Class C
- Element 2: Annealed bare copper Class K
- Element 3: Annealed bare copper Class C

INSULATION:

- Element 1, 2 & 3: Polyvinylchloride (PVC) & Nylon

ASSEMBLY:

All 3 Elements or Conductors are cabled together with Non-Hygroscopic Polypropylene fillers as required for a circular cross-section with a clear mylar binder tape and jacketed.

JACKET:

- Sunlight resistant and direct burial approved PVC with ripcord rated 75°C wet or dry per UL 1277

COLOR CODE:

- Element 1: Black, White, Red
- Element 2: Black, Red, Yellow, Yellow/Black, Blue, White
- Element 3: Green Ground

STANDARDS:

- UL Listed as TC-ER-JP per UL Standard 1277
- Rated 75°C wet or dry to meet UL 83 for THHN/THWN-2
- Meets cold bend test at -40°C
- ICEA S-73-532
- Meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- REACH compliant per Regulation (EC) No 1907/2006 (197) Updated January 15, 2019
- Cable is suitable for use in Class I Division 2 hazardous locations
- Element 1 & 2 conductors pass UL VW-1 flame test, rated THWN/VW-1
- ASTM B3, B174, B801

Part Number (Rating)	Section	Conductor Size	No. of Conductors	No. of Strands	Insulation Thickness		Nylon Thickness		Jacket Thickness		Overall Diameter	Net Weight
		AWG			Inches	mm	Inches	mm	Inches	mm	Inches	lbs/Mft
8-03TCG/18-06-VN (7kW-11kW)	Element 1	8	3	19	0.030	0.76	0.006	0.15	-	-	-	-
	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	-	-	-
	Element 3	10	1	19	0.048	1.22	0.004	0.10				
	Overall	-		-	-	-	-	-	0.060	1.52	0.648	363
4-03TCG/18-06-VN (12kW-16kW)	Element 1	4	3	19	0.040	1.02	0.007	0.18	-	-	-	-
	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	-	-	-
	Element 3	8	1	19	0.030	0.76	0.005	0.13				
	Overall	-		-	-	-	-	-	0.080	2.03	0.892	750
3-03TCG/18-06-VN (17kW-22kW)	Element 1	3	3	19	0.040	1.02	0.007	0.18	-	-	-	-
	Element 2	18	6	16	0.015	0.38	0.005	0.13	-	-	-	-
	Element 3	8	1	19	0.030	0.76	0.005	0.13	-	-	-	-
	Overall	-	-	-	-	-	-	-	0.080	2.03	0.951	865

All values are nominal and subject to correction.



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