POWER KABEL INC.

TRAY CABLE TFFN INSULATION SHIELDED TYPE TC-ER PVC JACKET 600V

APPLICATIONS & FEATURES

Primarily used for power, control, signal, communication and lighting circuits in commercial and industrial environments. Suitable for installation in cable trays, supported by messenger wire in open air, raceways, channels, conduits and ducts. Approved for direct burial and outdoors in cable trays where sunlight resistant is required. Also may be installed in wet or dry locations or in areas exposed to chemicals and oils.

INDUSTRY COMPLIANCES

- UL Listed as TC-ER (Exposed Run) per UL Standard 1277 and used in accordance with NEC for 3 or more conductors
- Approved for Class 1 or 2, Division 2 industrial hazardous locations per NEC
- Rated 90°C wet or dry
- Meets cold bend test at -25°C

- ICEA S-95-658, ICEA S-73-532
- UL 66, UL1277
- UL1685 and IEEE 383 70,000 BTU Vertical Flame Test
- UL Listed to IEEE1202 and CSA FT4 70,000 BTU Flame Test

CONSTRUCTION

CONDUCTORS:	Fully annealed bare copper Class B compressed strand per ASTM B-3 and ASTM B-8
INSULATION:	Heat and moisture resistant Polyvinylchloride (PVC) per UL 66 with clear Polyamide (Nylon) jacket per UL 66
SHIELD:	100% coverage spiral wound Aluminum-Mylar tape shield, with a 7 strand tinned flexible copper drain wire
JACKET:	Flame and sunlight resistant black PVC rated 90°C wet or dry per UL 1277. Ripcord provided for jackets with thickness of 60 mils or less

AWG	No of CONDUCTORS	STRANDS	DRAIN WIRE (AWG)	INSULATION THICKNESS (INCHES)	NYLON THICKNESS (INCHES)	JACKET THICKNESS (INCHES)	OVERALL DIAMETER	POUNDS PER 1000 FT
18	2	7	20	0.015	0.004	0.045	0.320	52
18	3	7	20	0.015	0.004	0.045	0.335	61
18	4	7	20	0.015	0.004	0.045	0.360	70
18	6	7	20	0.015	0.004	0.045	0.420	96
18	8	7	20	0.015	0.004	0.045	0.450	110
18	12	7	20	0.015	0.004	0.060	0.510	170
18	19	7	20	0.015	0.004	0.060	0.554	238
18	37	7	20	0.015	0.004	0.060	0.744	383
16	2	7	20	0.015	0.004	0.045	0.310	61
16	3	7	20	0.015	0.004	0.045	0.365	78
16	4	7	20	0.015	0.004	0.045	0.390	92
16	5	7	20	0.015	0.004	0.045	0.420	108
16	6	7	20	0.015	0.004	0.045	0.450	120
16	7	7	20	0.015	0.004	0.045	0.450	130
16	9	7	20	0.015	0.004	0.045	0.449	162
16	12	7	20	0.015	0.004	0.060	0.590	215
16	19	7	20	0.015	0.004	0.060	0.690	310
16	37	7	20	0.015	0.004	0.080	0.940	610