



TRAY CABLE TFFN INSULATION 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. Available as Exposed Run (ER) for use between cable trays and utilization equipment, and Joist Pull (JP) applications in accordance with NEC 336.10 (7).

INDUSTRY COMPLIANCES

- UL Listed as TC-ER (Exposed Run) per UL Standard 1277 and used in accordance with NEC for 3 or more conductors
- UL Listed as TC-ER-JP (Joist Pull) and used in accordance with NEC
- 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 & clear Polyamide (Nylon) jacket per UL 66
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	INSULATION THICKNESS (INCHES)	NYLON THICKNESS (INCHES)	JACKET THICKNESS (INCHES)	OVERALL DIAMETER	POUNDS PER 1000 FT
18	2	16	0.015	0.004	0.045	.287	35
18	3	16	0.015	0.004	0.045	0.290	47
18	4	16	0.015	0.004	0.045	0.310	56
18	5	16	0.015	0.004	0.045	0.340	66
18	7	16	0.015	0.004	0.045	0.360	84
18	9	7	0.015	0.004	0.045	0.420	105
18	12	7	0.015	0.004	0.045	0.475	137
18	15	7	0.015	0.004	0.045	0.520	162
18	19	7	0.015	0.004	0.060	0.580	215
18	25	7	0.015	0.004	0.060	0.670	266
18	30	7	0.015	0.004	0.060	0.700	310
18	37	7	0.015	0.004	0.060	0.760	382
16	2	26	0.015	0.004	0.045	.205 x .311	43
16	3	26	0.015	0.004	0.045	0.320	61
16	4	26	0.015	0.004	0.045	0.340	74
16	5	26	0.015	0.004	0.045	0.370	98
16	7	26	0.015	0.004	0.045	0.410	109
16	8	7	0.015	0.004	0.045	0.440	135
16	9	7	0.015	0.004	0.045	0.465	148
16	10	7	0.015	0.004	0.045	0.5	165
16	12	7	0.015	0.004	0.045	0.52	180
16	16	7	0.015	0.004	0.06	0.6	250
16	19	7	0.015	0.004	0.06	0.635	285
16	20	7	0.015	0.004	0.06	0.665	310
16	25	7	0.015	0.004	0.06	0.75	380
16	30	7	0.015	0.004	0.06	0.775	426
16	37	7	0.015	0.004	0.06	0.885	570
16	50	7	0.015	0.004	0.08	0.98	689