Tray Cable UL Type TC / TC-ER – 600V

18 AWG TFN/TFFN Insulation – PVC Jacket

APPLICATION:

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).

CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM B-3 and ASTM B-8 or flexible stranding per UL 66

INSULATION:

- Heat and moisture resistant Polyvinylchloride (PVC) per UL 66
- Clear Polyamide (Nylon) jacket per UL 66

ASSEMBLY:

- Conductors are cabled together with or without fillers as required to form a round, compact cable core with a binder tape as needed

COLOR CODE:

- ICEA Method 1, Table E-2
  (other color code options available)

ICEA S-58-679 Method 1, Table E-2

Cond #	Color	Tracer	Cond #	Color	Tracer	Cond #	Color	Tracer
1	Black	--	13	Blue	Red	25	Yellow	Orange
2	Red	--	14	Orange	Red	26	Brown	Orange
3	Blue	--	15	Yellow	Red	27	Black	Yellow
4	Orange	--	16	Brown	Red	28	Red	Yellow
5	Yellow	--	17	Black	Blue	29	Blue	Yellow
6	Brown	--	18	Red	Blue	30	Orange	Yellow
7	Red	Black	19	Orange	Blue	31	Brown	Yellow
8	Blue	Black	20	Yellow	Blue	32	Black	Brown
9	Orange	Black	21	Brown	Blue	33	Red	Brown
10	Yellow	Black	22	Black	Orange	34	Blue	Brown
11	Brown	Black	23	Red	Orange	35	Orange	Brown
12	Black	Red	24	Blue	Orange	36	Yellow	Brown

Pair cables are Black, Red and numbered. Triad cables are Black, Red, Blue and numbered. Colors repeats after 36 conductors. There are no Green or White conductors or stripes.

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.

STANDARDS:

- 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

OPTIONS:

- ICEA Method 1, Table E-1 or Method 4 Color Code
- Tinned Copper
- Shielding
- Composite Constructions

1-800-945-5542
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PRIORITY WIRE & CABLE, INC.

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Part Number	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/kft
18-02TC-VN **	18	2	16	0.015	0.38	0.004	0.10	0.045	1.14	.189 x .287	35
18-03TC-VN	18	3	16	0.015	0.38	0.004	0.10	0.045	1.14	0.290	47
18-04TC-VN	18	4	16	0.015	0.38	0.004	0.10	0.045	1.14	0.310	56
18-05TC-VN	18	5	16	0.015	0.38	0.004	0.10	0.045	1.14	0.340	66
18-06TC-VN	18	6	7	0.015	0.38	0.004	0.10	0.045	1.14	0.348	85
18-07TC-VN	18	7	16	0.015	0.38	0.004	0.10	0.045	1.14	0.360	84
18-09TC-VN	18	9	7	0.015	0.38	0.004	0.10	0.045	1.14	0.420	105
18-12TC-VN	18	12	7	0.015	0.38	0.004	0.10	0.045	1.14	0.475	137
18-15TC-VN	18	15	7	0.015	0.38	0.004	0.10	0.045	1.14	0.520	162
18-19TC-VN	18	19	7	0.015	0.38	0.004	0.10	0.060	1.52	0.580	215
18-25TC-VN	18	25	7	0.015	0.38	0.004	0.10	0.060	1.52	0.670	266
18-30TC-VN	18	30	7	0.015	0.38	0.004	0.10	0.060	1.52	0.700	310
18-37TC-VN	18	37	7	0.015	0.38	0.004	0.10	0.060	1.52	0.760	382

All values are nominal and subject to correction
***Flat Construction and NOT TC-ER rated*

RoHS COMPLIANT

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