Shielded Tray Cable UL Type TC / TC-ER – 600V

TFN 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, direct burial or joist pull applications not exceeding 600 volts and outdoors in cable trays where sunlight resistant is required.

CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM B3 and B8

INSULATION:

- Heat and moisture resistant Polyvinylchloride (PVC) with a Nylon jacket

SHIELD:

- Overall polyester-backed aluminum tape with stranded 22AWG tinned copper drain wire

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.

ASSEMBLY:

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

JACKET:

- Sunlight resistant PVC rated 90°C per UL 1277. Ripcord provided for jackets with thickness of 60 mils or less

STANDARDS:

- UL 66, UL 83, UL1277
- UL 1685 Vertical-Tray Fire-Propagation and Smoke-Release Test
- Approved as Type TC or TC-ER-JP, Sunlight Resistant, Direct Burial
- ASTM B3, ASTM B8
- NEC Article 336, Article 501, Article 725 for class 1 circuits

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

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Part Number	Conductor Size	No. of Conductors	No. of Strands	Drain Wire Size	Insulation Thickness		Nylon Thickness		Jacket Thickness		Overall Diameter	Net Weight
	AWG			AWG	inches	mm	inches	mm	inches	mm	inches	lbs/kft
18-02TC-VN-SHD**	18	2	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.310	44
18-03TC-VN-SHD	18	3	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.320	53
18-04TC-VN-SHD	18	4	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.350	63
18-06TC-VN-SHD	18	6	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.400	83
18-08TC-VN-SHD	18	8	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.440	102
18-12TC-VN-SHD	18	12	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.500	139
18-19TC-VN-SHD	18	19	7	22	0.015	0.38	0.004	0.10	0.060	1.52	0.600	217
18-25TC-VN-SHD	18	25	7	22	0.015	0.38	0.005	0.13	0.060	1.52	0.690	274
18-37TC-VN-SHD	18	37	7	22	0.015	0.38	0.004	0.10	0.060	1.52	0.780	376
16-02TC-VN-SHD**	16	2	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.330	53
16-03TC-VN-SHD	16	3	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.350	66
16-04TC-VN-SHD	16	4	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.380	79
16-05TC-VN-SHD	16	5	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.400	93
16-06TC-VN-SHD	16	6	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.430	107
16-07TC-VN-SHD	16	7	7	22	0.015	0.38	0.004	0.10	0.045	1.14	0.430	118
16-09TC-VN-SHD	16	9	7	22	0.015	0.38	0.004	0.10	0.060	1.52	0.510	148
16-12TC-VN-SHD	16	12	7	22	0.015	0.38	0.004	0.10	0.060	1.52	0.580	202
16-19TC-VN-SHD	16	19	7	22	0.015	0.38	0.004	0.10	0.060	1.52	0.660	290
16-37TC-VN-SHD	16	37	7	22	0.015	0.38	0.004	0.10	0.080	2.03	0.900	551

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

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