

APPLICATION:

TC, TC-ER cables are used in building wiring, feeder and internal secondary industrial distribution, and specially utilized for abrasive environment, grease, gasoline and other chemical contaminated ambient locations.

CONDUCTORS:

Solid or stranded bare copper per ASTM-B3, ASTM-B8 and ASTM-B787

INSULATION:

- Rated 90°C dry to meet UL 66 for TFN, TFFN
- Color-coded Polyvinyl Chloride (PVC)
- Heat and moisture-resistant
- Flame retardant compound
(QMTT2 PVC compound listed by UL)

NYLON JACKET:

- Types TFN, TFFN
- A tough, polyamide, Nylon outer covering
(QMTT2 PVC compound listed by UL)

ASSEMBLY:

- The insulated conductors are cabled together with a insulated ground or bare conductor
- With or without fillers as required to form a round compact core
- Nylon rip-cord for easy stripping (if necessary)

SHIELD:

A polyester and Aluminum laminated shield tape with or without a bare copper drain wire in electrical contact with the metal part of the tape. The drain wire may be under or over the tape.

OUTER SHEATH (OVERALL JACKET):

- A flame retardant, sunlight-resistant black PVC jackets
- The thickness of the Overall Jacket is in accordance with the UL1277 standard.

PRODUCT SERVICE DESCRIPTION:

- ER (Exposed Run)
- Sunlight resistance
- Oil resistance-1
- Cold bend test at -25°C
- Cold Temperature Rated at -40°C
- Direct burial
- Joist pulling
- FT4/IEEE 1202

COLOR CODE:

ICEA Method 1 (Table E-2)



DISTRIBUTOR WIRE & CABLE

VNTC Shld 18 AWG-10 AWG

DWC Part No.	No. of Con	No. of Strands	Insulation Thickness		Jacket Thickness		Overall Diameter (approx.)		Copper Weight (lbs/1000ft)	Total Weight (lbs/1000ft)	Bending Radius		Max. Pull Tension
			mm	inch	mm	inch	mm	inch			mm	inch	
1803SVNTC	3	26	0.38	0.015	1.14	0.045	7.5	0.295	17.47	49.59	60	2.36	31.2
1804SVNTC	4	26	0.38	0.015	1.14	0.045	8	0.315	22.24	59.4	64	2.52	41.6
1805SVNTC	5	26	0.38	0.015	1.14	0.045	8.5	0.335	27.89	70.09	68	2.68	52
1806SVNTC	6	26	0.38	0.015	1.14	0.045	9.2	0.362	31.99	79.5	73.6	2.9	62.4
1602SVNTC	2	41	0.38	0.015	1.14	0.045	7.5	0.295	20.16	51.94	60	2.36	33.1
1603SVNTC	3	41	0.38	0.015	1.14	0.045	8.1	0.319	27.89	64.24	64.8	2.55	49.6
1604SVNTC	4	41	0.38	0.015	1.14	0.045	8.5	0.335	35.55	77.55	68	2.68	66.1
1605SVNTC	5	41	0.38	0.015	1.14	0.045	9.5	0.374	42.8	90.85	76	2.99	82.7
1606SVNTC	6	41	0.38	0.015	1.14	0.045	10.5	0.413	51.07	105.23	84	3.31	99.2
1607SVNTC	7	41	0.38	0.015	1.14	0.045	10.5	0.413	58.8	115.98	84	3.31	115.7
1609SVNTC	9	41	0.38	0.015	1.14	0.045	12.5	0.492	74.79	144.47	100	3.94	148.8
1612SVNTC	12	41	0.38	0.015	1.52	0.06	14	0.551	98.78	183.18	112	4.41	198.4
1619SVNTC	19	41	0.38	0.015	1.52	0.06	16.5	0.65	161.73	295.86	132	5.2	314.1
1402SVNTC	2	7	0.38	0.015	1.15	0.045	8.1	0.319	32.46	69.02	64.8	2.55	52.6
1403SVNTC	3	7	0.38	0.015	1.15	0.045	8.6	0.339	44.82	87.02	68.8	2.71	78.9
1404SVNTC	4	7	0.38	0.015	1.15	0.045	9.5	0.374	57.25	106.24	76	2.99	105.1
1405SVNTC	5	7	0.38	0.015	1.15	0.045	10.2	0.402	68.71	125.22	81.6	3.21	131.4
1407SVNTC	7	7	0.38	0.015	1.15	0.045	11	0.433	92.26	159.73	88	3.46	184
1202SVNTC	2	7	0.38	0.015	1.15	0.045	8.1	0.319	47.17	90.78	64.8	2.55	83.6
1203SVNTC	3	7	0.38	0.015	1.15	0.045	9.6	0.378	66.86	118.06	76.8	3.02	125.4
1204SVNTC	4	7	0.38	0.015	1.15	0.045	10.5	0.413	86.68	146.96	84	3.31	167.2
1207SVNTC	7	7	0.38	0.015	1.15	0.045	12.7	0.5	138.6	216	101.6	4	292.5
1205SVNTC	5	7	0.38	0.015	1.15	0.045	11.5	0.453	103.35	173.03	92	3.62	209
1212SVNTC	12	7	0.38	0.015	1.55	0.061	17.1	0.673	260.04	631.37	136.8	5.39	501.5
1002SVNTC	2	7	0.51	0.02	1.15	0.045	11	0.433	70.96	128.95	88	3.46	132.9
1003SVNTC	3	7	0.51	0.02	1.15	0.045	11.5	0.453	102.61	172.09	92	3.62	199.4
1004SVNTC	4	7	0.51	0.02	1.15	0.045	12.5	0.492	134.39	217.18	100	3.94	265.8
1005SVNTC	5	7	0.51	0.02	1.52	0.06	14.5	0.571	169.27	284.58	116	4.57	332.3

***Maximum Sidewall Pressure - 300lbs

Tolerance - 20.0mm or less of Overall Diameter: ±10% / 20.1 mm or more of Overall Diameter: ±5%

Product details and specifications are subject to manufacturing variations and accepted industry tolerances. Please contact your DWC Account Manager with questions or to confirm specific product requirements.

Questions? Contact Your Account Manager Today!

888-439-2947

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