



## High Voltage Corona Resistant TFE (CRT) Wire

**Description:** Daburn CRT wire is constructed of a single stranded silver plated copper conductor with Corona Resistant PTFE Insulation. Daburn CRT provides significant performance advantages over traditional HV wire.

- **Avoid Corona Problems:** Corona Resistant PTFE construction is specifically designed to retard and prevent corona penetration.
- **Small Size:** You do not need bulky, thick insulation jacketing as used with silicone rubber and polyethylene insulation to get your Hi-Voltage requirements.
- **Temperature Variations do not affect wire life:** Temperature variations from -90°C to +200°C have no life effect on the corona resistant PTFE. In addition, there is no stress or crack failure under severe, adverse conditions including mechanical strain, moisture, corona or chemical conditions.
- **Wide Operating Temperature:** -90°C to 200°C. For 250°C Nickel Plated Copper is available.
- **Minimum Life Expectancy:** 10,000 hours at the maximum voltage rating

Wire used is Mil-Spec QQ-W-343 and Mil-W-16878.

Available Colors: White, Black, Red, Green, Yellow, Lt. Blue, Brown, Gray, Violet, Orange. (Tracer colors and shielded constructions are available to order.)

Standard Put-Ups: 250FT, 500FT, 1000FT. This series is RoHS and REACH compliant.

Voltage Rating: Shown At Sea Level. At 80,000 feet ratings are approximately 1/3 lower.

Daburn Cat. No.	A W G	Stranding	Voltage (KV)		Max. O.D.
			AC	DC	Inches
CRT8-2	8	133/29	2.5	10	0.223
CRT8-2.5	8	133/29	3.75	12.5	0.235
CRT8-3	8	133/29	4.5	15	0.244
CRT8-3.5	8	133/29	5.3	17.5	0.253
CRT8-4	8	133/29	6	20	0.264
CRT8-5	8	133/29	7.5	25	0.284
CRT8-6.5	8	133/29	10	32.5	0.315
CRT8-8	8	133/29	12	40	0.345
CRT8-10	8	133/29	15	50	0.385
CRT10-2	10	37/26	2.5	10	0.174
CRT10-2.5	10	37/26	3.75	12.5	0.182
CRT10-3	10	37/26	4.5	15.0	0.187
CRT10-3.5	10	37/26	5.3	17.5	0.197
CRT10-4	10	37/26	6	20	0.203

Daburn Cat. No.	A W G	Stranding	Voltage (KV)		Max. O.D.
			AC	DC	Inches
CRT18-2	18	19/30	2.5	10	0.114
CRT18-2.5	18	19/30	3.75	12.5	0.120
CRT18-3	18	19/30	4.5	15	0.126
CRT18-3.5	18	19/30	5.3	17.5	0.132
CRT18-4	18	19/30	6	20	0.142
CRT18-5	18	19/30	7.5	25	0.162
CRT18-6.5	18	19/30	10	32.5	0.192
CRT18-8	18	19/30	12	40	0.222
CRT18-10	18	19/30	15	50	0.262
CRT20-2	20	19/32	2.5	10	0.092
CRT20-2.5	20	19/32	3.75	12.5	0.102
CRT20-3	20	19/32	4.5	15	0.112
CRT20-3.5	20	19/32	5.3	17.5	0.122
CRT20-4	20	19/32	6	20	0.132



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Daburn Cat. No.	A W G	Stranding	Voltage (KV)		Max. O.D.
			AC	DC	Inches
CRT10-5	10	37/26	7.5	25	0.222
CRT10-6.5	10	37/26	10	32.5	0.253
CRT10-8	10	37/26	12	40	0.283
CRT10-10	10	37/26	15	50	0.324
CRT12-2	12	19/25	2.5	10	0.142
CRT12-2.5	12	19/25	3.75	12.5	0.152
CRT12-3	12	19/25	4.5	15	0.162
CRT12-3.5	12	19/25	5.3	17.5	0.172
CRT12-4	12	19/25	6	20	0.182
CRT12-5	12	19/25	7.5	25	0.202
CRT12-6.5	12	19/25	10	32.5	0.232
CRT12-8	12	19/25	12	40	0.262
CRT12-10	12	19/25	15	50	0.302
CRT14-2	14	19/27	2.5	10	0.124
CRT14-2.5	14	19/27	3.75	12.5	0.134
CRT14-3	14	19/27	4.5	15	0.144
CRT14-3.5	14	19/27	5.3	17.5	0.154
CRT14-4	14	19/27	6	20	0.164
CRT14-5	14	19/27	7.5	25	0.184
CRT14-6.5	14	19/27	10	32.5	0.214
CRT14-8	14	19/27	12	40	0.244
CRT14-10	14	19/27	15	50	0.284
CRT16-2	16	19/29	2.5	10	0.118
CRT16-2.5	16	19/29	3.75	12.5	0.124
CRT16-3	16	19/29	4.5	15	0.129
CRT16-3.5	16	19/29	5.3	17.5	0.139
CRT16-4	16	19/29	6	20	0.149
CRT16-5	16	19/29	7.5	25	0.169
CRT16-6.5	16	19/29	10	32.5	0.199
CRT16-8	16	19/29	12	40	0.229
CRT16-10	16	19/29	15	50	0.269

Daburn Cat. No.	A W G	Stranding	Voltage (KV)		Max. O.D.
			AC	DC	Inches
CRT20-5	20	19/32	7.5	25	0.152
CRT20-6.5	20	19/32	10	32.5	0.192
CRT20-8	20	19/32	12	40	0.212
CRT20-10	20	19/32	15	50	0.252
CRT22-2	22	19/34	2.5	10	0.084
CRT22-2.5	22	19/34	3.75	12.5	0.094
CRT22-3	22	19/34	4.5	15	0.104
CRT22-3.5	22	19/34	5.3	17.5	0.114
CRT22-4	22	19/34	6	20	0.124
CRT22-5	22	19/34	7.5	25	0.144
CRT22-6.5	22	19/34	10	32.5	0.174
CRT22-8	22	19/34	12	40	0.202
CRT22-10	22	19/34	15	50	0.244
CRT24-2	24	19/36	2.5	10	0.077
CRT24-2.5	24	19/36	3.75	12.5	0.087
CRT24-3	24	19/36	4.5	15	0.097
CRT24-3.5	24	19/36	5.3	17.5	0.107
CRT24-4	24	19/36	6	20	0.117
CRT24-5	24	19/36	7.5	25	0.137
CRT24-6.5	24	19/36	10	32.5	0.167
CRT24-8	24	19/36	12	40	0.197
CRT24-10	24	19/36	15	50	0.237
CRT26-2	26	19/38	2	6	0.073
CRT26-2.5	26	19/38	3.75	12.5	0.083
CRT26-3	26	19/38	4.5	15	0.093
CRT26-3.5	26	19/38	5.3	17.5	0.103
CRT26-4	26	19/38	6	20	0.113
CRT26-5	26	19/38	7.5	25	0.134
CRT26-6.5	26	7/34	10	32.5	0.164
CRT26-10	26	7/34	15	50	0.231