



## 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. Inches
			AC	DC	
CRT8-2	8	133/29	2.5	10	0.250
CRT8-2.5	8	133/29	3.75	12.5	0.263
CRT8-3	8	133/29	4.5	15	0.273
CRT8-3.5	8	133/29	5.3	17.5	0.276
CRT8-4	8	133/29	6	20	0.288
CRT8-5	8	133/29	7.5	25	0.310
CRT8-6.5	8	133/29	10	32.5	0.334
CRT8-8	8	133/29	12	40	0.366
CRT8-10	8	133/29	15	50	0.408
CRT10-2	10	37/26	2.5	10	0.195
CRT10-2.5	10	37/26	3.75	12.5	0.204
CRT10-3	10	37/26	4.5	15.0	0.209
CRT10-3.5	10	37/26	5.3	17.5	0.215
CRT10-4	10	37/26	6	20	0.221

Daburn Cat. No.	A W G	Stranding	Voltage (KV)		Max. O.D. Inches
			AC	DC	
CRT18-2	18	19/30	2.5	10	0.114
CRT18-2.5	18	19/30	3.75	12.5	0.125
CRT18-3	18	19/30	4.5	15	0.137
CRT18-3.5	18	19/30	5.3	17.5	0.144
CRT18-4	18	19/30	6	20	0.155
CRT18-5	18	19/30	7.5	25	0.177
CRT18-6.5	18	19/30	10	32.5	0.204
CRT18-8	18	19/30	12	40	0.235
CRT18-10	18	19/30	15	50	0.278
CRT20-2	20	19/32	2.5	10	0.103
CRT20-2.5	20	19/32	3.75	12.5	0.114
CRT20-3	20	19/32	4.5	15	0.125
CRT20-3.5	20	19/32	5.3	17.5	0.133
CRT20-4	20	19/32	6	20	0.144



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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	0.242
CRT10-6.5	10	37/26	10	32.5	0.268
CRT10-8	10	37/26	12	40	0.300
CRT10-10	10	37/26	15	50	0.343
CRT12-2	12	19/25	2.5	10	0.159
CRT12-2.5	12	19/25	3.75	12.5	0.170
CRT12-3	12	19/25	4.5	15	0.181
CRT12-3.5	12	19/25	5.3	17.5	0.187
CRT12-4	12	19/25	6	20	0.198
CRT12-5	12	19/25	7.5	25	0.220
CRT12-6.5	12	19/25	10	32.5	0.246
CRT12-8	12	19/25	12	40	0.278
CRT12-10	12	19/25	15	50	0.320
CRT14-2	14	19/27	2.5	10	0.139
CRT14-2.5	14	19/27	3.75	12.5	0.150
CRT14-3	14	19/27	4.5	15	0.161
CRT14-3.5	14	19/27	5.3	17.5	0.168
CRT14-4	14	19/27	6	20	0.179
CRT14-5	14	19/27	7.5	25	0.201
CRT14-6.5	14	19/27	10	32.5	0.227
CRT14-8	14	19/27	12	40	0.259
CRT14-10	14	19/27	15	50	0.301
CRT16-2	16	19/29	2.5	10	0.122
CRT16-2.5	16	19/29	3.75	12.5	0.133
CRT16-3	16	19/29	4.5	15	0.144
CRT16-3.5	16	19/29	5.3	17.5	0.152
CRT16-4	16	19/29	6	20	0.162
CRT16-5	16	19/29	7.5	25	0.184
CRT16-6.5	16	19/29	10	32.5	0.211
CRT16-8	16	19/29	12	40	0.243
CRT16-10	16	19/29	15	50	0.285

Daburn Cat. No.	A W G	Stranding	Voltage (KV)		Max. O.D.
			AC	DC	Inches
CRT20-5	20	19/32	7.5	25	0.166
CRT20-6.5	20	19/32	10	32.5	0.204
CRT20-8	20	19/32	12	40	0.225
CRT20-10	20	19/32	15	50	0.267
CRT22-2	22	19/34	2.5	10	0.096
CRT22-2.5	22	19/34	3.75	12.5	0.107
CRT22-3	22	19/34	4.5	15	0.119
CRT22-3.5	22	19/34	5.3	17.5	0.127
CRT22-4	22	19/34	6	20	0.138
CRT22-5	22	19/34	7.5	25	0.160
CRT22-6.5	22	19/34	10	32.5	0.188
CRT22-8	22	19/34	12	40	0.218
CRT22-10	22	19/34	15	50	0.264
CRT24-2	24	19/36	2.5	10	0.088
CRT24-2.5	24	19/36	3.75	12.5	0.099
CRT24-3	24	19/36	4.5	15	0.111
CRT24-3.5	24	19/36	5.3	17.5	0.119
CRT24-4	24	19/36	6	20	0.130
CRT24-5	24	19/36	7.5	25	0.152
CRT24-6.5	24	19/36	10	32.5	0.180
CRT24-8	24	19/36	12	40	0.213
CRT24-10	24	19/36	15	50	0.256
CRT26-2	26	19/38	2	6	0.083
CRT26-2.5	26	19/38	3.75	12.5	0.095
CRT26-3	26	19/38	4.5	15	0.106
CRT26-3.5	26	19/38	5.3	17.5	0.114
CRT26-4	26	19/38	6	20	0.125
CRT26-5	26	19/38	7.5	25	0.149
CRT26-6.5	26	7/34	10	32.5	0.177
CRT26-10	26	7/34	15	50	0.249