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## High Voltage Corona Resistant Teflon Wire



**Avoid Corona Problems:** Corona Resistant Teflon 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. Wire used is Mil-Spec QQ-W-343 and Mil-W-16878.

**Temperature Variations:** Temperature variations from -90°C to +200°C have no life effect on the corona resistant Teflon. In addition, there is no stress or crack failure under severe, adverse conditions including mechanical strain, moisture, corona or chemical conditions.

**Description:** Single Conductor, Stranded Silver Plated Copper, Corona Resistant Teflon Insulation.

**Voltage Rating:** Based on insulation thickness.

**Minimum Life Expectancy:** 10,000 hours.

**Operating Temperature:** -90°C to 200°C. For 250°C Nickel Plated Copper is available.

**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.

| PART NO.  | AWG | STR.  | KVAC | KVDC | O.D. IN. | PART NO.  | AWG | STR.  | KVAC | KVDC | O.D. IN. |
|-----------|-----|-------|------|------|----------|-----------|-----|-------|------|------|----------|
| CRT10-2   | 10  | 37/26 | 2.5  | 10   | 0.158    | CRT18-10  | 18  | 19/30 | 15   | 50   | 0.265    |
| CRT10-2.5 | 10  | 37/26 | 3.75 | 12.5 | 0.168    | CRT20-2   | 20  | 19/32 | 2.5  | 10   | 0.095    |
| CRT12-2   | 12  | 19/25 | 2.5  | 10   | 0.142    | CRT20-2.5 | 20  | 19/32 | 3.75 | 12.5 | 0.105    |
| CRT12-2.5 | 12  | 19/25 | 3.75 | 12.5 | 0.152    | CRT20-3   | 20  | 19/32 | 4.5  | 15   | 0.115    |
| CRT12-3   | 12  | 19/25 | 4.5  | 15   | 0.162    | CRT20-3.5 | 20  | 19/32 | 5.3  | 17.5 | 0.126    |
| CRT12-3.5 | 12  | 19/25 | 5.3  | 17.5 | 0.172    | CRT20-4   | 20  | 19/32 | 6    | 20   | 0.135    |
| CRT12-4   | 12  | 19/25 | 6    | 20   | 0.182    | CRT20-5   | 20  | 19/32 | 7.5  | 25   | 0.156    |
| CRT12-5   | 12  | 19/25 | 7.5  | 25   | 0.202    | CRT20-6.5 | 20  | 19/32 | 10   | 32.5 | 0.185    |
| CRT12-6.5 | 12  | 19/25 | 10   | 32.5 | 0.232    | CRT20-8   | 20  | 19/32 | 12   | 40   | 0.215    |
| CRT12-8   | 12  | 19/25 | 12   | 40   | 0.262    | CRT20-10  | 20  | 19/32 | 15   | 50   | 0.255    |
| CRT12-10  | 12  | 19/25 | 15   | 50   | 0.302    | CRT22-2   | 22  | 19/34 | 2.5  | 10   | 0.087    |
| CRT14-2   | 14  | 19/27 | 2.5  | 10   | 0.124    | CRT22-2.5 | 22  | 19/34 | 3.75 | 12.5 | 0.097    |
| CRT14-2.5 | 14  | 19/27 | 3.75 | 12.5 | 0.134    | CRT22-3   | 22  | 19/34 | 4.5  | 15   | 0.107    |
| CRT14-3   | 14  | 19/27 | 4.5  | 15   | 0.144    | CRT22-3.5 | 22  | 19/34 | 5.3  | 17.5 | 0.118    |
| CRT14-3.5 | 14  | 19/27 | 5.3  | 17.5 | 0.154    | CRT22-4   | 22  | 19/34 | 6    | 20   | 0.127    |
| CRT14-4   | 14  | 19/27 | 6    | 20   | 0.164    | CRT22-5   | 22  | 19/34 | 7.5  | 25   | 0.148    |
| CRT14-5   | 14  | 19/27 | 7.5  | 25   | 0.184    | CRT22-6.5 | 22  | 19/34 | 10   | 32.5 | 0.177    |
| CRT14-6.5 | 14  | 19/27 | 10   | 32.5 | 0.214    | CRT22-8   | 22  | 19/34 | 12   | 40   | 0.207    |

|           |    |       |      |      |       |           |    |       |      |      |       |
|-----------|----|-------|------|------|-------|-----------|----|-------|------|------|-------|
| CRT14-8   | 14 | 19/27 | 12   | 40   | 0.244 | CRT22-10  | 22 | 19/34 | 15   | 50   | 0.247 |
| CRT14-10  | 14 | 19/27 | 15   | 50   | 0.284 | CRT24-2   | 24 | 19/36 | 2.5  | 10   | 0.081 |
| CRT16-2   | 16 | 19/29 | 2.5  | 10   | 0.111 | CRT24-2.5 | 24 | 19/36 | 3.75 | 12.5 | 0.091 |
| CRT16-2.5 | 16 | 19/29 | 3.75 | 12.5 | 0.119 | CRT24-3   | 24 | 19/36 | 4.5  | 15   | 0.101 |
| CRT16-3   | 16 | 19/29 | 4.5  | 15   | 0.129 | CRT24-3.5 | 24 | 19/36 | 5.3  | 17.5 | 0.112 |
| CRT16-3.5 | 16 | 19/29 | 5.3  | 17.5 | 0.141 | CRT24-4   | 24 | 19/36 | 6    | 20   | 0.121 |
| CRT16-4   | 16 | 19/29 | 6    | 20   | 0.151 | CRT24-5   | 24 | 19/36 | 7.5  | 25   | 0.142 |
| CRT16-5   | 16 | 19/29 | 7.5  | 25   | 0.172 | CRT24-6.5 | 24 | 19/36 | 10   | 32.5 | 0.171 |
| CRT16-6.5 | 16 | 19/29 | 10   | 32.5 | 0.201 | CRT24-8   | 24 | 19/36 | 12   | 40   | 0.201 |
| CRT16-8   | 16 | 19/29 | 12   | 40   | 0.231 | CRT24-10  | 24 | 19/36 | 15   | 50   | 0.241 |
| CRT16-10  | 16 | 19/29 | 15   | 50   | 0.271 | CRT26-2   | 26 | 7/34  | 2.5  | 10   | 0.071 |
| CRT18-2   | 18 | 19/30 | 2.5  | 10   | 0.105 | CRT26-2.5 | 26 | 7/34  | 3.75 | 12.5 | 0.081 |
| CRT18-2.5 | 18 | 19/30 | 3.75 | 12.5 | 0.114 | CRT26-3   | 26 | 7/34  | 4.5  | 15   | 0.091 |
| CRT18-3   | 18 | 19/30 | 4.5  | 15   | 0.124 | CRT26-3.5 | 26 | 7/34  | 5.3  | 17.5 | 0.101 |
| CRT18-3.5 | 18 | 19/30 | 5.3  | 17.5 | 0.135 | CRT26-4   | 26 | 7/34  | 6    | 20   | 0.111 |
| CRT18-4   | 18 | 19/30 | 6    | 20   | 0.145 | CRT26-5   | 26 | 7/34  | 7.5  | 25   | 0.131 |
| CRT18-5   | 18 | 19/30 | 7.5  | 25   | 0.166 | CRT26-6.5 | 26 | 7/34  | 10   | 32.5 | 0.161 |
| CRT18-6.5 | 18 | 19/30 | 10   | 32.5 | 0.194 | CRT26-8   | 26 | 7/34  | 12   | 40   | 0.191 |
| CRT18-8   | 18 | 19/30 | 12   | 40   | 0.225 | CRT26-10  | 26 | 7/34  | 15   | 50   | 0.231 |

Additional Sizes And Voltages Available.

**Note:** Voltage ratings shown are at Sea Level. Voltage ratings at 80,000 feet are approximately 1/3 lower.

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