

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

Part Number: 1895C  
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Issue: 4  
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**A. Construction**

Diameters

- |                |                         |       |
|----------------|-------------------------|-------|
| 1) Component 1 | 2 X 1 COND              |       |
| a) Conductor   | 20 (7/28) AWG TC        |       |
| b) Insulation  | 0.016" Wall, Nom. PVC   | 0.070 |
| (1) Color Code | Alpha Wire Color Code D |       |

| Cond | Color | Cond | Color |
|------|-------|------|-------|
| 1    | BLACK | 2    | RED   |

- |                   |   |                    |
|-------------------|---|--------------------|
| 2) Cable Assembly | 2 Components Cabled   |                    |
| a) Twists:        | 6.0 Twists/foot (min)   |                    |
| 3) Jacket         | 0.020" Wall, Nom.,PVC   | 0.180 (0.190 Max.) |
| a) Color(s)       | GRAY  |                    |
| b) Print          | ALPHA WIRE-* P/N 1895C 2/C 20 AWG<br>(UL) 75C TYPE CM OR AWM 2509 --- LLXXXXXX<br>CSA TYPE CMG FT4 ROHS<br>* = Factory Code |                    |

*[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Industry Approvals**

- |                                   |  |             |
|-----------------------------------|--|-------------|
| 1) UL                             | AWM/STYLE2509  | 80°C / 300V |
|                                   | CM   | 75°C        |
|                                   | VW-1   |             |
| 2) CSA International              | CMG  | 60°C        |
|                                   | FT4  |             |
| 3) EU Directive 2002/95/EC(RoHS): | All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture. |             |
| 4) California Proposition 65:     | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.   |             |

**C. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -20 to 80°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 17.5 Lbs, Maximum  |

**D. Electrical Properties**

- |                                 |   |
|---------------------------------|---|
| (For Engineering purposes only) |   |
| 1) Voltage Rating               | 300 V <sub>RMS</sub>                            |
| 2) Capacitance                  | 30 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance                   | 0.19 µH/ft, Nominal                             |
| 4) Conductor DCR                | 10.2 Ω/1000ft @20°C, Nominal                    |

**E. Other**

- |              |  |
|--------------|--|
| 1) Packaging |  |
| a) 1000 FT   |  |
| b) 500 FT    |  |
| c) 100 FT    |  |

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