

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

**Part Number: 1898/4C**  
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**Issue: 5**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters**

- 1) Component 1                      4 X 1 COND  
    a) Conductor                    18 (16/30) AWG TC  
    b) Insulation                    0.016" Wall, Nom. PVC                      0.079  
    (1) Color Code                  Alpha Wire Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE		
2	RED	4	GREEN		

- 2) Cable Assembly                      4 Components Cabled  
    a) Twists:                        4.4 Twists/foot (min)  
3) Jacket                                0.020" Wall, Nom., PVC                      0.231 (0.242 Max.)  
    a) Color(s)                        GRAY  
    b) Print                             ALPHA WIRE-\* P/N 1898/4C 4/C 18 AWG  
                                             (UL) 75C TYPE CM OR AWM 2509 --- LLXXXXXX  
                                             CSA TYPE CMG FT4    ROHS

\* = 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                            50 Lbs, Maximum

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating                        300 V<sub>RMS</sub>  
2) Capacitance                            33 pf/ft @1 kHz, Nominal Conductor to Conductor  
3) Inductance                              0.18 µH/ft, Nominal  
4) Conductor DCR                        7.2 Ω/1000ft @20°C, Nominal

**E. Other**

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

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