

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

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

**A. Construction**

**Diameters (In)**

- 1) Component 1 19 X 1 COND
- a) Conductor 18 (16/30) AWG TC
- b) Insulation 0.016" Wall, Nom. PVC 0.079
- (1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	8	YELLOW	15	RED/BLACK
2	RED	9	VIOLET	16	WHITE/BLACK
3	WHITE	10	SLATE	17	WHITE/RED
4	GREEN	11	PINK	18	WHITE/GREEN
5	ORANGE	12	TAN	19	WHITE/YELLOW
6	BLUE	13	RED/GREEN		
7	BROWN	14	RED/YELLOW		

- 2) Cable Assembly 19 Components Cabled
- a) Twists: 2.1 Twists/foot (min)
- 3) Jacket 0.030" Wall, Nom.,PVC 0.455 (0.474 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-\* P/N 1898/19C 19C 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/STYLE 2509 80°C / 300 VRMS  
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 239 Lbs, Maximum

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating 300 VRMS
- 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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