

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 58420/19
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Issue: 8
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A. Construction

Diameters (In)

- 1) Component 1 19 X 1 PAIR
- a) Conductor 22 (7/30) AWG BC
- b) Insulation 0.008" Wall, Nom. PVC, Plenum Rated 0.046
- (1) Color Code Alpha Wire Company Color Code A1

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	8	RED-WHITE	15	GREEN-BLUE
2	BLACK-WHITE	9	RED-GREEN	16	GREEN-YELLOW
3	BLACK-GREEN	10	RED-BLUE	17	GREEN-BROWN
4	BLACK-BLUE	11	RED-YELLOW	18	GREEN-ORANGE
5	BLACK-YELLOW	12	RED-BROWN	19	WHITE-BLUE
6	BLACK-BROWN	13	RED-ORANGE		
7	BLACK-ORANGE	14	GREEN-WHITE		

- c) Pair 2/Cond Cabled Together
- (1) Twists: 8.0 Twists/foot (min)
- 2) Cable Assembly 19 Components Cabled
- a) Twists: 2.2 Twists/foot (min)
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
- a) Foil Direction Foil Facing Out
- b) Drain Wire 24 (7/32) AWG TC
- 4) Jacket 0.018" Wall, Nom.,PVC, Plenum Rated 0.418 (0.441 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-* P/N 58420/19 19PR 22 AWG
SHIELDED 75C CMP(UL) C(UL) OR 75C (UL) CL2P ROHS
* = Factory Code

B. Industry Approvals

- 1) UL CL2P 75°C
CMP 75°C
- 2) CSA International FT6
C(UL) TYPE CMP 75°C
- 3) Other REACH Regulation (EC 1907/2006)
- 4) 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.
- 5) 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 75°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 212 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Mutual Capacitance 34 pf/ft @1 kHz, Nominal
- 3) Ground Capacitance 61 pf/ft @1 kHz, Nominal
- 4) Characteristic Impedance 63 Ω
- 5) Inductance 0.17 μH/ft, Nominal
- 6) Conductor DCR 15.4 Ω/1000ft @20°C, Nominal
- 7) OA Shield DCR 11.6 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT

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