ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 6208C		**Issue:**	**4**
Page 1 of 2 Pages		**Issue Date:**	**5/26/2005**
		Effective Date:	**8/1/2005**

A. Construction — **Diameters (In)**

1) Component 1	8 X 1 PAIR		
a) Conductor	24 (7/32) AWG TC		
b) Insulation	0.016" Wall, Nom. Polypropylene, Foam		0.056
(1) Color Code	Alpha Wire Company Color Code A		

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	4	BLACK-BLUE	7	BLACK-ORANGE
2	BLACK-WHITE	5	BLACK-BROWN	8	RED-GREEN
3	BLACK-GREEN	6	BLACK-YELLOW		

c) Pair	2/Cond Cabled Together	
(1) Twists:	8.0 Twists/foot (min)	
2) Cable Assembly	8 Components Cabled	
a) Twists:	2.7 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	0.035" Wall, Nom.,PVC	0.379 (0.398 Max.)
a) Color(s)	SLATE	
b) Ripcord	1 End 810 Denier Nylon	
c) Print	ALPHA WIRE-* P/N 6208C 8PR 24 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2919 LOW VOLTAGE COMPUTER CABLE --- 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 2919	80°C / 30 V_{RMS}
	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	60 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating	300 V_{RMS}
2) Characteristic Impedance	105 Ω +/- 10
3) Mutual Capacitance	12.5 pf/ft @1 kHz, Nominal
4) Ground Capacitance	22 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	78 %
6) Attenuation, Max dB/100ft	0.25 @ 100 kHz 0.8 @ 1 MHz 5.8 @ 50 MHz

E. Other

1) Packaging

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.
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a) 1000 FT
b) 500 FT

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