

# Customer Specification

## PART NO. M244806

### Construction

				Diameters (In)	
1) Component 1		8 X 1 COND			
a) Conductor		22 (7/30) AWG BC		0.030	
b) Insulation		0.010" Wall, Nom. PVC, Plenum Rated		0.050	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	GREEN	7	ORANGE
2	RED	5	BROWN	8	YELLOW
3	WHITE	6	BLUE		
2) Cable Assembly		8 Components Cabled			
a) Twists:		4.8 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		0.015" Wall, Nom.,PVC, Plenum Rated		0.200 (0.211 Max.)	
a) Color(s)		WHITE			
b) Print		ALPHA WIRE-* P/N M244806 8C 22 AWG EXXXXXX 75C CMP (UL) C(UL) ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

### Applicable Specifications

1) UL	CMP	75°C
2) CSA International	C(UL) TYPE CMP	75°C
	FT6	

### Environmental

1) 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.

### Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	48 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	46 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	83 pf/ft @1 kHz, Nominal
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	15.3 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	15.9 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10 x 5 Continuous length
b) 500 FT	12 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
<i>[Spool dimensions may vary slightly]</i>	

[www.alphawire.com](http://www.alphawire.com)

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