

# Customer Specification

## PART NO. M244825

### Construction

				Diameters (In)	
1) Component 1		2 X 1 COND			
a) Conductor		18 (7/26) AWG BC		0.048	
b) Insulation		0.010" Wall, Nom. PVC, Plenum Rated		0.068	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		
2) Cable Assembly		2 Components Cabled			
a) Twists:		6.0 Twists/foot (min)			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out			
b) Drain Wire		20 (7/28) AWG TC			
4) Jacket		0.015" Wall, Nom.,PVC, Plenum Rated		0.146 (0.153 Max.)	
a) Color(s)		WHITE			
b) Print		ALPHA WIRE-* P/N M244825 2C 18 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	37 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	65 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	117 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	33 Ω
5) Inductance	0.16 μH/ft, Nominal
6) Conductor DCR	6 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	8.2 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 4.5 x 3.5 Continuous length
b) 500 FT	6.5 x 6 x 1.9 Continuous length
c) 100 FT	6.5 x 2 x 1.9 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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