

## Customer Specification

### PART NO. M64834

### Construction

						Diameters (In)		
1) Component 1						2 X 1 COND		
a) Conductor						16 (7/24) AWG Tinned Copper		0.060
b) Insulation						0.009" Wall, Nom. FEP		0.078
(1) Color Code						Alpha Wire Color Code F		
Cond	Color	Cond	Color	Cond	Color			
1	BLACK	2	WHITE					
2) Cable Assembly						2 Components Cabled		
a) Twists:						5.3 Twists/foot (min)		
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		
3) Shield:						Alum/Mylar Tape, 25% Overlap, Min.		
a) Foil Direction						Foil Facing Out		
b) Drain Wire						18 (7/26) AWG Tinned Copper		
4) Jacket						0.010" Wall, Nom.,FEP		0.180 (0.188 Max.)
a) Color(s)						SLATE		
b) Print						MANHATTAN BY ALPHA WIRE-* P/N M64834 2C 16 AWG EXXXXXX SHIELDED 200C CMP (UL) C(UL) CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]		

### Applicable Specifications

1) UL	CMP	200°C
2) CSA International	C(UL) TYPE CMP	200°C
	FT6	
3) CE:	EU Low Voltage Directive 2014/35/EU	

## Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
2) REACH Regulation (EC 1907/2006):	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-80 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	58 Lbs, Maximum
Electrical Properties	
	(For Engineering purposes only)
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	35 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	63 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	42 Ω
5) Inductance	0.15 μH/ft, Nominal
6) Conductor DCR	3.9 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	5.5 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	11 x 8.5 x 5 Continuous length
b) 500 FT	10.5 x 5 x 3.5 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>

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