

## Customer Specification

**PART NO. M244834**

## Construction

						Diameters (In)	
1) Component 1						2 X 1 COND	
a) Conductor						16 (19/.0117) AWG Bare Copper	0.059
b) Insulation						0.010" Wall, Nom. PVC, Plenum Rated	0.079
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	BLACK	2	RED				
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						0.015" Wall, Nom.,PVC, Plenum Rated	0.192 (0.200 Max.)
a) Color(s)						WHITE	
b) Print						ALPHA WIRE-* P/N M244834 2C 16 AWG EXXXXXX 75C 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	75°C
2) CSA International	C(UL) TYPE CMP	75°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	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	55 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	76 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	137 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	28 Ω
5) Inductance	0.15 μH/ft, Nominal
6) Conductor DCR	4.1 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	12 x 10.5 x 5 Continuous length
b) 500 FT	10.5 x 5 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]

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

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Lead	□□□□□□□□□□0.1% (1000 ppm)
Mercury	□□□□□□□□□□0.1% (1000 ppm)
Cadmium	□□□□□□□□□□0.01% (100 ppm)
Hexavalent Chromium	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Biphenyls (PBB)	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	□□□□□□□□□□0.1% (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	□□□□□□□□□□0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	□□□□□□□□□□0.1% (1000 ppm)
Dibutyl phthalate (DBP)	□□□□□□□□□□0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	□□□□□□□□□□0.1% (1000 ppm)

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