



Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Customer Specification

PART NO. M244837

Construction

				Diameters (In)	
1) Component 1		2 X 1 COND			
a) Conductor		24 (7/32) AWG BC		0.024	
b) Insulation		0.010" Wall, Nom. PVC, Plenum Rated		0.044	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		
2) Cable Assembly		2 Components Cabled			
a) Twists:		9.6 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		0.122 (0.129 Max.)	
a) Color(s)		WHITE			
b) Print		ALPHA WIRE-* P/N M244837 2C 24 AWG EXXXXXX 75C CMP (UL) C(UL) 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	

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	10.6 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Capacitance	45 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	81 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	48 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	25 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	20.7 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	10 x 4 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>

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