



Customer Specification

PART NO. M243172

Construction

				Diameters (In)	
1) Component 1		2 X 1 PAIR			
a) Conductor		18 (7/26) AWG BC		0.030	
b) Insulation		0.010" Wall, Nom. PVC, Plenum Rated		0.068	
(1) Color Code		Alpha Wire Color Code A1			
Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	2	BLACK-WHITE		
c) Pair		2/Cond Cabled Together			
(1) Twists:		5.3 Twists/foot (min)			
Individually Applied:					
d) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
(1) Foil Direction		Foil Facing In			
(2) Drain Wire		20 (7/28) AWG TC			
2) Cable Assembly		2 Components Cabled			
a) Twists:		3.4 Twists/foot (min)			
3) Jacket		0.015" Wall, Nom.,PVC, Plenum Rated		0.276 (0.287 Max.)	
a) Color(s)		WHITE			
b) Print		ALPHA WIRE-* P/N M243172 2PR 18 AWG EXXXXX CMP(UL) C(UL) 75C 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

Environmental

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	73 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	36 pf/ft @1 kHz, Nominal
3) Ground Capacitance	65 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	60 Ω
5) Inductance	0.21 μH/ft, Nominal
6) Conductor DCR	6.1 Ω/1000ft @20°C, Nominal
7) Component Shield DCR	9.2 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

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY

Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. ©2013 ALPHA WIRE - all rights reserved.