

Customer Specification

PART NO. 1454

Construction

				Diameters (In)	
1) Component 1		6 X 1 COND			
a) Conductor		18 (41/34) AWG TC		0.047	
b) Insulation		0.020" Wall, Nom. EPDM Rubber		0.087	
(1) Color Code		Alpha Wire Color Code H			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED	5	YELLOW
2	WHITE	4	GREEN	6	BLUE
2) Cable Assembly		6 Components Cabled			
a) Twists:		3.2 Twists/foot (min)			
b) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.			
3) Shield		TC BRAID Shield,85% Coverage, Min.			
4) Jacket		0.045" Wall, Nom.,Polychloroprene		0.392+/- 0.020	
a) Color(s)		BLACK			
b) Jacket Separator		Paper Tape, 25% Overlap, Min. & cotton serve			
c) Print		ALPHA WIRE-* P/N 1454 * = Factory Code			

Applicable Specifications

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.
2) California Proposition 65:	
	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	85 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Capacitance	38 pf/ft @ 1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	68 pf/ft @ 1 kHz, Nominal
4) Inductance	0.19 µH/ft, Nominal
5) Conductor DCR	7.1 /1000ft @20°C, Nominal
6) OA Shield DCR	3.2 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	20 x 11 x 8 Continuous length
b) 500 FT	16 x 11 x 8 Continuous length
c) 100 FT	12 x 10 x 5 Continuous length
	<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 there 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.