

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)

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