

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3405
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Issue: 4
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A. Construction

1) Component 1	5 X 1 COND	<u>Diameters (In)</u>
a) Conductor	18 (19/30) AWG TC	0.082
b) Insulation	0.016" Wall, Nom. PVC	
(1) Color Code	Alpha Wire Company Color Code F	

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED	5	ORANGE
2	WHITE	4	GREEN		

2) Cable Assembly	5 Components Cabled	0.303 (0.315 Max.)
a) Twists:	3.7 Twists/foot (min)	
b) Core Wrap	Clear Mylar Tape, 25% Overlap, Min.	
3) Shield	TC BRAID Shield, 90% Coverage, Min.	
4) Jacket	0.025" Wall, Nom., PVC	
a) Color(s)	SLATE	
b) Print	ALPHA WIRE-* P/N 3405	
	ROHS	

* = Factory Code

B. Industry Approvals

1) Military	MIL-W-16878/Type C	105°C / 1000 V _{RMS}
2) 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.	
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.	

C. Physical & Mechanical Properties

1) Temperature Range	-55 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	83 Lbs, Maximum

D. Electrical Properties

1) Voltage Rating	(For Engineering purposes only)	1000 V _{RMS}
2) Capacitance	53 pf/ft @ 1 kHz, Nominal Conductor to Conductor	
3) Ground Capacitance	95 pf/ft @ 1 kHz, Nominal	
4) Inductance	0.17 µH/ft, Nominal	
5) Conductor DCR	6 Ω/1000ft @ 20°C, Nominal	
6) OA Shield DCR	2.9 Ω/1000ft @ 20°C, Nominal	

E. Other

1) Packaging	1000 FT
a) 1000 FT	
b) 100 FT	

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