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

Customer Specification

PART NO. 1243/5

Construction

				Diameters (In)	
1) Component 1		1 X 3 COND			
a) Conductor		22 (7/30) AWG TC		0.030	
b) Insulation		0.016" Wall, Nom. PVC		0.062	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	BLACK	3	RED
c) Cabling		3 COND Cabled			
(1) Twists:		6.9 Twists/foot (min)			
d) Shield		TC BRAID Shield,80% Coverage, Min.			
2) Component 2		1 X 2 COND			
a) Conductor		22 (7/30) AWG TC		0.030	
b) Insulation		0.016" Wall, Nom. PVC		0.062	
(1) Color Code		Alpha Wire Color Code D			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		
c) Cabling		2 COND Cabled			
(1) Twists:		6.9 Twists/foot (min)			
3) Cable Assembly		2 Components run parallel under jacket.			
4) Jacket		0.020" Wall, Nom.,PVC		0.195X0.300	
				(0.205X0.314 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N 1243/5 5C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2785 C(UL) 60C TYPE CMG FT4 ROHS * = Factory Code *[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*			

Applicable Specifications

1) UL	AWM/STYLE 2785	60°C / 300 V_{RMS}
	CM	75°C
2) CSA International	C(UL) TYPE CMG	60°C
	FT4	

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 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	31 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V_{RMS}
2) Component 1	
a) Capacitance	39 pf/ft @1 kHz, Nominal Conductor to Conductor
b) Ground Capacitance	70.2 pf/ft @1 kHz, Nominal
c) Inductance	0.2 µH/ft, Nominal
d) Conductor DCR	16.2 /1000ft @20°C, Nominal
e) Component Shield DCR	5.1 /1000ft @20°C, Nominal
3) Component 2	
a) Capacitance	28 pf/ft @1 kHz, Nominal Conductor to Conductor
b) Inductance	0.2 µH/ft, Nominal
c) Conductor DCR	16.2 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 12 x 3.5 Continuous length
b) 500 FT	12 x 6 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
	[Spool dimensions may vary slightly]

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:1243/5

1243/5 , RoHS-Compliant Commencing With8/1/2005Production

This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. ***No Exemptions are required for RoHS Compliance on this item.***

Substance	**Maximum Control Value**
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.1% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB) Polybrominated Diphenyl Ethers (PBDE)	0.1% by weight (1000 ppm)
Including Deca-BDE	0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA 1/20/2011