



Customer Specification

PART NO. 2214C

Construction

		Diameters (In)			
1) Component 1		4 X 1 PAIR			
a) Conductor		22 (7/30) AWG TC		0.030	
b) Insulation		0.010" Wall, Nom. PVC		0.050	
(1) Color Code		Alpha Wire Color Code A			
Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	3	BLACK-GREEN		
2	BLACK-WHITE	4	BLACK-BLUE		
c) Pair		2/Cond Cabled Together			
(1) Twists:		8.0 Twists/foot (min)			
2) Cable Assembly		4 Components Cabled			
a) Twists:		4.0 Twists/foot (min)			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out			
b) Drain Wire		22 (7/30) AWG TC			
4) Jacket		0.032" Wall, Nom.,PVC		0.266 (0.281 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N 2214C 4PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2576 --- LLXXXXXX CSA TYPE CMG FT4 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

Applicable Specifications

1) UL	AWM/STYLE 2576	80°C / 150 V _{RMS}
	CM	75°C
	VW-1	
2) CSA International	CMG	60°C
	FT4	
3) CE:	EU Low Voltage Directive 2006/95/EC	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.
2) REACH Regulation (EC 1907/2006):	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.
3) 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 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	49 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	150 V _{RMS}
2) Mutual Capacitance	38 pf/ft @1 kHz, Nominal
3) Ground Capacitance	68 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	59 Ω
5) Inductance	0.18 μH/ft, Nominal
6) Conductor DCR	16.5 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	11.8 Ω/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	12 x 4.5 x 3.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 2214C

2214C , RoHS-Compliant Commencing With 8/1/2005 Production

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, 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 this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006.

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE) , Including Deca-BDE	0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

11/3/2014

Alpha Wire