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

Request a Sample

Customer Specification

PART NO. B961022

Construction

				Diameters (In)	
1) Component 1		2 X 1 PAIR			
a) Conductor		28 (7/36) AWG TC		0.015	
b) Insulation		0.010" Wall, Nom. PVC, Semi Rigid		0.035	
(1) Color Code		Alpha Wire Color Code B			
Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	2	WHITE-BROWN		
c) Pair		2/Cond Cabled Together			
(1) Twists:		12.0 Twists/foot (min)			
2) Cable Assembly		2 Components Cabled			
a) Twists:		9.6 Twists/foot (min)			
b) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing In			
b) Drain Wire		28 (7/36) AWG TC			
4) Jacket		0.032" Wall, Nom.,PVC		0.186 (0.198 Max.)	
a) Color(s)		GREY			
b) Ripcord		1 End 810 Denier Nylon			
c) Print		ALPHA WIRE-* P/N B961022 0.09MM2 (28AWG) (UL) TYPE CM 105C OR AWM 2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS (SEQ METERS) * = Factory Code *[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*			

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 10002	105°C / 300 V_{RMS}
b) Overall	AWM/STYLE 2464	80°C / 300 V_{RMS}
	CM	105°C
	VW-1	
2) CSA International	CMG	105°C
	FT4	
3) IEC	EN 60332-1 Flame Behavior	
	EN 60332-2 Flame Behavior	
4) 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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-30 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	6.9 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V_{RMS}
2) Mutual Capacitance	21.8 pf/ft @1 kHz, Nominal
3) Ground Capacitance	39 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	82 Ω
5) Inductance	0.22 µH/ft, Nominal
6) Conductor DCR	67 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	37 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 3280 FT	18 x 12 x 8 Continuous length
b) 1640 FT	12 x 12 x 3.5 Continuous length
c) 328 FT	12 x 4.5 x 3.5 Continuous length
d) 164 FT	6.5 x 4 x 2.5 Continuous length
	[Spool dimensions may vary slightly]

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: B961022

B961022 , RoHS-Compliant Commencing With 7/13/2011 Production

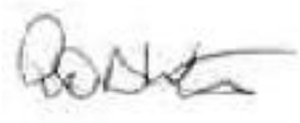
Note: all colors and put-ups

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 (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitions and extents of the Directives. **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 11364-2014.

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)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	0.1% by weight (1000 ppm)

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Authorized Signatory for the Alpha Wire:



Dave Watson, Director of Engineering & QA — 10/30/2017

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