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

Customer Specification
PART NO. 25464

Construction

<table>
<tr><td colspan="4"></td><td colspan="2">Diameters (In)</td></tr>
<tr><td colspan="2">1) Component 1</td><td colspan="2">4 X 1 COND</td><td colspan="2"></td></tr>
<tr><td colspan="2">a) Conductor</td><td colspan="2">20 (7/28) AWG Tinned Copper</td><td colspan="2">0.038</td></tr>
<tr><td colspan="2">b) Insulation</td><td colspan="2">0.016" Wall, Nom. PVC</td><td colspan="2">0.070</td></tr>
<tr><td colspan="2">(1) Color Code</td><td colspan="4">Alpha Wire Color Code D</td></tr>
<tr><td>Cond</td><td>Color</td><td>Cond</td><td>Color</td><td>Cond</td><td>Color</td></tr>
<tr><td>1</td><td>BLACK</td><td>3</td><td>WHITE</td><td></td><td></td></tr>
<tr><td>2</td><td>RED</td><td>4</td><td>GREEN</td><td></td><td></td></tr>
<tr><td colspan="2">2) Cable Assembly</td><td colspan="2">4 Components Cabled</td><td colspan="2"></td></tr>
<tr><td colspan="2">a) Twists:</td><td colspan="2">6.0 Twists/foot (min)</td><td colspan="2"></td></tr>
<tr><td colspan="2">b) Orientation:</td><td colspan="2">Components to be arranged from INSIDE LAYER to OUTSIDE LAYER</td><td colspan="2"></td></tr>
<tr><td colspan="2">c) Core Wrap</td><td colspan="2">Nonwoven Polyester Tape, 25% Overlap, Min.</td><td colspan="2"></td></tr>
<tr><td colspan="2">3) Shield:</td><td colspan="2">Alum/Mylar Tape, 25% Overlap, Min.</td><td colspan="2"></td></tr>
<tr><td colspan="2">a) Foil Direction</td><td colspan="2">Foil Facing In</td><td colspan="2"></td></tr>
<tr><td colspan="2">b) Drain Wire</td><td colspan="2">20 (7/28) AWG Tinned Copper</td><td colspan="2"></td></tr>
<tr><td colspan="2">4) Jacket</td><td colspan="2">0.032" Wall, Nom.,Polyurethane (TPU)</td><td colspan="2">0.242 (0.253 Max.)</td></tr>
<tr><td colspan="2">a) Color(s)</td><td colspan="4">Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White</td></tr>
<tr><td colspan="2">b) Ripcord</td><td colspan="2">1 End 810 Denier Nylon</td><td colspan="2"></td></tr>
<tr><td colspan="2">c) Print</td><td colspan="4">ALPHA WIRE-* P/N 25464
XTRAGUARD(R) 2 RU AWM 20668 VW-1 OR CRU
AWM I/II A/B 90C 300 VOLTS FT1 CE
ROHS (SEQ FOOTAGE)
* = Factory Code</td></tr>
</table>

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Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 1569	105°C / 300 V_{RMS}
b) Overall	AWM/STYLE 20668	90°C / 300 V_{RMS}
	VW-1	
2) CSA International	C(RU) AWM I/II A/B	90°C / 300 V_{RMS}
	FT1	
3) CE:	EU Low Voltage Directive 2014/35/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 2011and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.
2) California Proposition 65:	Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-30 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	44 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V_{RMS}
2) Capacitance	39 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	70 pF/ft @1 kHz, Nominal
4) Inductance	0.19 µH/ft, Nominal
5) Conductor DCR	10.2 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	8.2 Ω/1000ft @20°C, Nominal

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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) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 25464

25464, RoHS-Compliant Commencing With 8/1/2005 Production

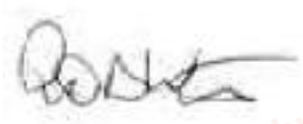
Note: all colors and put-ups

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 1/15/2022

Alpha Wire

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