

Customer Specification

PART NO. 55023

Construction

						Diameters (In)	
1) Component 1						3 X 1 PAIR	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insulation						0.010" Wall, Nom. FEP	0.050
(1) Color Code						Alpha Wire Color Code A	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-RED	2	BLACK-WHITE	3	BLACK-GREEN		
c) Pair						2/Cond Cabled Together	
(1) Twists:						8.0 Twists/foot (min)	
2) Cable Assembly						3 Components Cabled	
a) Twists:						4.8 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						PTFE(skived) Tape, 25% Overlap, Min.	
3) Jacket						0.027" Wall, Nom., FEP	0.237 (0.250 Max.)
a) Tint Color(s)						Natural Tan, Slate, Black, Yellow, Orange, Blue, Green, Red, White	
b) Ripcord						Para-Aramid fiber(Kevlar, Twaron or equal)	
c) Marker Tape						ALPHA WIRE-* XTRAGUARD(R) 5 - 22 AWG 150C (UL) CMP OR AWM 20229 -- LLXXXXXX CSA CMP FT6 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>	

Applicable Specifications

1) UL	CMP	150°C
	AWM/STYLE 20229	150°C / 300 V _{RMS}
2) CSA International	CMP	150°C
	FT6	
3) CE:	EU Low Voltage Directive 2014/35/EU	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
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.
3) California Proposition 65:	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-80 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	33 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	14 pF/ft @1 kHz, Nominal
3) Characteristic Impedance	102 Ω
4) Inductance	0.18 μH/ft, Nominal
5) Conductor DCR	16.5 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

SpecPDFFooterConfidential



Alpha Wire □□□□55023

[illegible]

□□□□

Lead

Mercury

Cadmium

Hexavalent Chromium

Polybrominated Biphenyls (PBB)

Polybrominated Diphenyl Ethers (PBDE),

Including Deca-BDE

Bis(2-ethylhexyl) phthalate (DEHP)

Butyl benzyl phthalate (BBP)

Dibutyl phthalate (DBP)

Diisobutyl phthalate (DIBP)

5

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.01% (100 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

Alpha Wire

Alpha Wire □□□□□□□□

DeBW

