

Request a Sample

Customer Specification PART NO. 25453

Construction

				Diameters (In))	
1) Component 1		3 X 1 PAIR	3 X 1 PAIR			
a) Conductor		20 (7/28) AW	20 (7/28) AWG Tinned Copper		0.038	
b) Insulation		0.016" Wall, I	0.016" Wall, Nom. PVC		0.070	
(1) Color Code		Alpha Wire C	Alpha Wire Color Code A			
Pair	Color	Pair	Color	Pair	Color	
1	BLACK-RED	2	BLACK-WHITE	3	BLACK-GREEN	
c) Pair		2/Cond Cable	2/Cond Cabled Together			
(1) Twists:		6.0 Twists/foo	6.0 Twists/foot (min)			
2) Cable Assembly		3 Componen	3 Components Cabled			
a) Twists:		4.0 Twists/foo	4.0 Twists/foot (min)			
b) Orientation:			Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			
c) Core Wrap		Nonwoven P	Nonwoven Polyester Tape, 25% Overlap, Min.			
3) Shield:		Alum/Mylar T	Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Ir	Foil Facing In			
b) Drain Wire		20 (7/28) AW	20 (7/28) AWG Tinned Copper			
4) Jacket		0.032" Wall, I	0.032" Wall, Nom.,Polyurethane (TPU)		Max.)	
a) Color(s)		Slate, Black,	Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White			
b) Ripcord		1 End 810 De	1 End 810 Denier Nylon			
c) Print		XTRAGUARE AWM I/II A/B ROHS (SEQ I	ALPHA WIRE-* P/N 25453 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			

Applicable Specifications

Applicable openitionis					
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), 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. 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

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Physical & Mechanical Properties				
1) Temperature Range	-30 to 90°C			
2) Bend Radius	10X Cable Diameter			
3) Pull Tension	61 Lbs, Maximum			
4) Sunlight Resistance	Yes			
Electrical Properties	(For Engineering purposes only)			
1) Voltage Rating	300 V _{RMS}			
2) Mutual Capacitance	31 pF/ft @1 kHz, Nominal			
3) Ground Capacitance	56 pF/ft @1 kHz, Nominal			
4) Characteristic Impedance	68 Ω			
5) Inductance	0.19 μH/ft, Nominal			
6) Conductor DCR	10.4 Ω/1000ft @20°C, Nominal			
7) OA Shield DCR	7.5 Ω/1000ft @20°C, Nominal			

Other

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

www.alphawire.com

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 25453

25453, 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)

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:

Dave Watson, Director of Engineering & QA

Alpha Wire

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