

Customer Specification

PART NO. 25533

Construction

					Diameters	(ln)
1) Component 1	3 X 1 COND					
a) Conductor	16 (19/.0117) AV	16 (19/.0117) AWG Tinned Copper 0.059				
b) Insulation	0.032" Wall, Nor	0.032" Wall, Nom. PVC			0.123	
(1) Color Code	Alpha Wire Colo	r Code E				
Cond	Color	Cond	Color	Cond	d	Color
1	BLACK	2	BROWN	3		RED
2) Cable Assembly	3 Components (Cabled	·	·		·
a) Twists:	3.2 Twists/foot (3.2 Twists/foot (min)				
b) Orientation:	Components to	Components to be arranged from INSIDE LAYER to OUTSIDE LAYER				
c) Core Wrap	Nonwoven Poly	Nonwoven Polyester Tape, 20% Overlap, Min.				
3) Shield:	A/P/A Tape, 20%	A/P/A Tape, 20% Overlap, Min.				
a) Drain Wire	16 (19/.0117) AV	16 (19/.0117) AWG Tinned Copper				
b) Braid	Tinned Copper, 7	Tinned Copper,70% Coverage, Nom.				
4) Jacket	0.063" Wall, Nor	0.063" Wall, Nom.,Polyurethane (TPU) 0.423 (0.442 Max.)				
a) Color(s)	Slate, Black, Yell	Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White				
b) Ripcord	1 End 810 Denie	1 End 810 Denier Nylon				
c) Print		2 RU AWM 20669 C 600 VOLTS FT1 TAGE)				

Applicable Specifications

1) UL			
a) Component 1	AWM/STYLE 1015	105°C / 600 V _{RMS}	
b) Overall	AWM/STYLE 20669	90°C / 600 V _{RMS}	
	VW-1		
2) CSA International			
a) Component 1	TEW	105°C / 600 V _{RMS}	
b) Overall	C(RU) AWM I/II A/B	90°C / 600 V _{RMS}	
	FT1		
3) CE:	EU Low Voltage Directive 2014/35/EU		

Environmental

are required for RoHS Compliance on this item. This product may contain substances known to the State of California to cause Cancer or Reproductive 2) California Proposition 65: Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more	1) CE: EU Directive 2011/65/I	EU(RoHS2), EU Directive 2015/863/EU (RoHS3):
2) California Proposition 65: Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more		and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions
"""	2) California Proposition 65:	' '

Properties

Physical & Mechanical Properties		
1) Temperature Range	-30 to 90°C	
2) Bend Radius	10X Cable Diameter	
3) Pull Tension	87 Lbs, Maximum	
4) Sunlight Resistance	Yes	
Electrical Properties	(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}	
2) Capacitance	36 pF/ft @1 kHz, Nominal Conductor to Conductor	
3) Ground Capacitance	65 pF/ft @1 kHz, Nominal	
4) Inductance	0.2 μH/ft, Nominal	
5) Conductor DCR	4.4 Ω/1000ft @20°C, Nominal	
6) OA Shield DCR	1.83 Ω/1000ft @20°C, Nominal	

Other

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

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 25533

25533, RoHS-Compliant Commencing With 8/1/2005 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, 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). This product also complies with UK - RoHS. 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. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

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 5/7/2024

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