

Customer Specification

PART NO. M39157

Construction

						Diameters (In)	
1) Component 1						2 X 1 PAIR	
a) Conductor						18 (19/30) AWG Tinned Copper	0.050
b) Insulation						0.016" Wall, Nom. PVC	0.082
-						Alpha Wire Color Code BR	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK#1- RED#1	2	BLACK#2- RED#2				
c) Pai	ir					2/Cond Cabled Together	
(1) Tv	wists:					5.3 Twists/foot (min)	
Indiv	idually Applied:						
d) Sh	ield:					Foil Free Alum/Mylar Tape, 25% Overlap, Min.	
(1) Foil Direction						Foil Facing In	
(2) Drain Wire						20 (19/32) AWG Tinned Copper	
2) Cable Assembly						2 Components Cabled	
a) Twists:						2.8 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Clear Mylar Tape, 25% Overlap, Min.	
3) Jacket						0.053" Wall, Nom.,PVC	0.406 (0.423 Max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N M39157 2PR 18 AWG SHIELDED EXXXXX (UL) TYPE PLTC/ITC 105C SUN RES OR CL3 105C OR C(UL) CMG 105C FT4 CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]	

Applicable Specifications

1) UL	ITC	105°C	
	SUN RES		
	PLTC	105°C	
	CL3	105°C	
2) CSA International	C(UL) TYPE CMG	105°C	
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.

Properties

Physical & Mechanical Properties		
-20 to 105°C		
10X Cable Diameter		
79 Lbs, Maximum		
Yes		
(For Engineering purposes only)		
300 V _{RMS}		
52 pF/ft @1 kHz, Nominal		
94 pF/ft @1 kHz, Nominal		
41 Ω		
0.17 μH/ft, Nominal		
6 Ω/1000ft @20°C, Nominal		
7.8 Ω/1000ft @20°C, Nominal		
	10X Cable Diameter 79 Lbs, Maximum Yes (For Engineering purposes only) 300 V _{RMS} 52 pF/ft @1 kHz, Nominal 94 pF/ft @1 kHz, Nominal 41 Ω 0.17 μH/ft, Nominal 6 Ω/1000ft @20°C, Nominal	

Other

11 x 8 Continuous length 9 x 8 Continuous length
2 v 8 Continuous length
7 x 6 Continuous length
5.94 x 5 Continuous length
ol dimensions may vary slightly]
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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M39157

M39157, RoHS-Compliant Commencing With 11/1/2004 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 8/31/2025

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