



Customer Specification

PART NO. 2468

Construction

				Diameters (In)	
1) Component 1		2 X 1 COND			
a) Conductor		25 (3/33TC4/33TCW) AWG			
b) Insulation		0.013" Wall, Nom. Polyethylene(PE)		0.047	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	GREEN		
2) Component 2		1 X 1 PAIR			
a) Conductor		25 (3/33TC4/33TCW) AWG			
b) Insulation		0.013" Wall, Nom. Polyethylene(PE)		0.047	
(1) Color(s)					
Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED				
c) Cabling		2 COND Cabled			
Individually Applied:					
d) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
(1) Foil Direction		Foil Facing Out			
3) Cable Assembly		3 Components Cabled			
a) Twists:		6.9 Twists/foot (min)			
4) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing In			
b) Drain Wire		25 (7/33) AWG TC			
5) Jacket		0.020" Wall, Nom.,PVC		0.165 (0.182 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N 2468 ROHS * = Factory Code			

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 1598	60°C / 30 V _{RMS}
b) Component 2	AWM/STYLE 1598	60°C / 30 V _{RMS}

Environmental

1) EU Directive 2002/95/EC(RoHS):	
	All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
2) California Proposition 65:	
	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	13.9 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating 400 V _{RMS}	
2) Component 1	
a) Characteristic Impedance	83
b) Inductance	0.21 μH/ft, Nominal
c) Mutual Capacitance	19 pf/ft @1 kHz, Nominal
d) Ground Capacitance	33 pf/ft @1 kHz, Nominal
e) Conductor DCR	52 /1000ft @20°C, Nominal
f) OA Shield DCR	19.3 /1000ft @20°C, Nominal
3) Component 2	
a) Characteristic Impedance	83
b) Inductance	0.21 μH/ft, Nominal
c) Mutual Capacitance	19 pf/ft @1 kHz, Nominal
d) Ground Capacitance	33 pf/ft @1 kHz, Nominal
e) Conductor DCR	52 /1000ft @20°C, Nominal
f) OA Shield DCR	19.3 /1000ft @20°C, Nominal

Other

1) Packaging	
a) 1000 FT	
b) 500 FT	
c) 100 FT	

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:2468

2468 , RoHS-Compliant Commencing With3/1/2005Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.1% 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)

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Authorized Signatory for the Alpha Wire Company:

A handwritten signature in black ink, appearing to read 'Dave Watson'.

Dave Watson, Director of Engineering &QA

1/21/2011