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Customer Specification

PART NO. 669343

Construction

				Diameters (In)	
1) Component 1		1 X 4 PAIR			
a) Conductor		24 (7/32) AWG TC		0.024	
b) Insulation		0.011" Wall, Nom. Polypropylene(PP)		0.046	
(1) Color(s)					
Pair	Color	Pair	Color	Pair	Color
1	BLU - WHT/BLU	3	GRN - WHT/GRN		
2	ORG - WHT/ORG	4	BRN - WHT/BRN		
c) Pair		2/Cond Cabled Together			
(1) Twists:		24.0 Twists/foot (approx.)			
d) Cabling		4 PAIR Cabled			
(1) Twists:		4.0 Twists/foot (min)			
(2) Core Wrap		Foam Polypropylene Tape, 25% Overlap, Min.			
e) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
(1) Foil Direction		Foil Facing Out			
2) Component 2		4 X 1 COND			
a) Conductor		22 (19/34) AWG TC		0.032	
b) Insulation		0.010" Wall, Nom. PVC		0.052	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	BLACK		
2	RED	4	RED		
3) Cable Assembly		5 Components Cabled			
a) Twists:		2.5 Twists/foot (min)			
b) Core Wrap		Clear Mylar Tape, 25% Overlap, Min.			
4) Shield		TC BRAID Shield,90% Coverage, Min.			
a) Drain Wire		22 (19/34) AWG TC			
5) Jacket		0.049" Wall, Nom.,TPE		0.450 (0.476 Max.)	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 669343 4PR 24 AWG 4C 22 AWG 75C 600V SHIELDED ROHS (SEQUENTIAL #) FT * = Factory Code			

Applicable Specifications

1) UL		
a) Component 1	AWM/STYLE 10152	80°C / 300 V _{RMS}
b) Component 2	AWM/STYLE 1729	80°C / 300 V _{RMS}
c) Overall	VW-1	
	AWM/STYLE 20626	80°C / 300 V _{RMS}

Environmental

1) EU Directive 2002/95/EC(RoHS):	
	All materials used in the manufacture of this part are in compliance with European Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-50 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	67 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Component 1	
a) Mutual Capacitance	15.5 pf/ft @1 kHz, Nominal
b) Ground Capacitance	28 pf/ft @1 kHz, Nominal
c) Characteristic Impedance	98 Ω
d) Inductance	0.19 μH/ft, Nominal
e) Conductor DCR	27 Ω/1000ft @20°C, Nominal
f) Component Shield DCR	42 Ω/1000ft @20°C, Nominal
g) OA Shield DCR	2.37 Ω/1000ft @20°C, Nominal
3) Component 2	
a) Capacitance	53 pf/ft @1 kHz, Nominal Conductor to Conductor
b) Ground Capacitance	95 pf/ft @1 kHz, Nominal
c) Inductance	0.17 μH/ft, Nominal
d) Conductor DCR	15.3 Ω/1000ft @20°C, Nominal
e) OA Shield DCR	2.37 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	24 x 14 x 12 Continuous length
b) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Component 1 meets TIA/EIA-568-B.2 Cat5 requirement.	

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 669343

669343 , RoHS-Compliant Commencing With 4/18/2012 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)

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Authorized Signatory for the Alpha Wire:

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