



# Customer Specification

## PART NO. 58120/25

### Construction

		<b>Diameters (In)</b>			
1) Component 1		25 X 1 COND			
a) Conductor		22 (7/30) AWG BC		0.030	
b) Insulation		0.008" Wall, Nom. PVC, Plenum Rated		0.046	
(1) Color Code		Alpha Wire Color Code D2			
Cond	Color	Cond	Color	Cond	Color
1	BLACK	10	SLATE	19	RED/ORANGE
2	WHITE	11	PINK	20	RED/GREEN
3	RED	12	TAN	21	RED/BROWN
4	GREEN	13	WHITE/BLUE	22	RED/SLATE
5	BROWN	14	WHITE/ORANGE	23	GREEN/BLUE
6	BLUE	15	WHITE/GREEN	24	GREEN/ORANGE
7	ORANGE	16	WHITE/BROWN	25	GREEN/BROWN
8	YELLOW	17	WHITE/SLATE		
9	VIOLET	18	RED/BLUE		
2) Cable Assembly		25 Components Cabled			
a) Twists:		2.7 Twists/foot (min)			
3) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction		Foil Facing Out			
b) Drain Wire		24 (7/32) AWG TC			
4) Jacket		0.017" Wall, Nom.,PVC, Plenum Rated		0.314 (0.331 Max.)	
a) Color(s)		SLATE			
b) Print		ALPHA WIRE-* P/N 58120/25 25C 22 AWG SHIELDED 60C CMP(UL) C(UL) OR 60C (UL) CL2P ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

### Applicable Specifications

1) UL	CL2P	60°C
	CMP	60°C
2) CSA International	FT6	
	C(UL) TYPE CMP	60°C

### 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) REACH Regulation (EC 1907/2006):	
	This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.
3) 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	-5 to 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	141 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	51 pf/ft @ 1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	92 pf/ft @ 1 kHz, Nominal
4) Inductance	0.17 µH/ft, Nominal
5) Conductor DCR	15.3 /1000ft @20°C, Nominal
6) OA Shield DCR	13.4 /1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 12 x 8 Continuous length
b) 500 FT	12 x 10 x 5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

www.alphawire.com

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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:58120/25

58120/25 , RoHS-Compliant Commencing With7/1/2004Production

*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.***

<b>Substance</b>	<b>Maximum Control Value</b>
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)

*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 Company:

Dave Watson, Director of Engineering &QA

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