



# Customer Specification

## PART NO. 5776

### Construction

				Diameters (In)	
1) Component 1		1 X 1 COND			
a) Conductor		24 (SOLID) AWG CHROMEL		0.020	
b) Insulation		0.004" Wall, Nom. Impregnated Fiberglass		0.028	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	YELLOW				
2) Component 2		1 X 1 COND			
a) Conductor		24 (SOLID) AWG ALUMEL		0.020	
b) Insulation		0.004" Wall, Nom. Impregnated Fiberglass		0.028	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	RED				
3) Cable Assembly		2 Components run parallel under jacket.			
4) Jacket		0.006" Wall, Nom., Impregnated Fiberglass		0.040X0.068	
				(0.044X0.074 Max.)	
a) Color(s)		BROWN with Yellow tracer			

### Applicable Specifications

1) Other	ANSI MC96.1 Type K	510°C
	ASTM E230	

### Environmental

### Properties

Physical & Mechanical Properties	
1) Temperature Range	0 to 510°C continuous, single exposure to 650°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	6.3 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	NOT SPECIFIED
2) Component 1	
a) Inductance	0.16 µH/ft, Nominal
b) Conductor DCR	1053 Ω/1000ft @20°C, Nominal
3) Component 2	
a) Inductance	0.16 µH/ft, Nominal
b) Conductor DCR	438 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	
<b>Notes:</b>	
a) Impregnation maintained to 200C.	

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 5776

5776 , RoHS-Compliant Commencing With 11/1/2005 Production

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, 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 this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item.** It should be noted that this product does not fall within the scope of Directive 2011/65/EU, but this Certificate is offered for cases where this product will be used within EEE that does fit within the Directive's scope. 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 11364-2006.

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)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

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