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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

Packaging	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	
Notes:	
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

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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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