

---

**ALPHA WIRE COMPANY  
CDC PRODUCT SPECIFICATION**

---

Part Number: CDC11017

Issue: 0

Page 1 of 1 Pages

Issue Date: 11/18/2013

---

<b>A. Construction</b>		<u>Diameters</u>
1) Component 1	2 X 1 COND	
a) Conductor	20 (7/28) AWG CHROMEL & ALUMEL	
b) Insulation	0.010" Wall, Nom. PP	
(1) Color Code	Yellow & Red	
2) Cable Assembly	2 Components	
3) Shield:	AM Foil Tape, 25% Overlap, Min.	
a) Drain Wire	20 (7/28) AWG TC	
4) Jacket	0.030" Wall, Nom., LSZH	0.179
a) Color	YELLOW	
5) Packaging	1000FT PUTUP	
<b>B. Industry Approvals</b>		
1) UL	CL3	
2) CSA	NONE	
3) MIL	NONE	
4) CE Compliant	YES (LVD & RoHS2)	
5) ROHS Compliant	YES	
6) REACH Compliant	YES	
7) IEC 60332-1	YES	
<b>C. Physical &amp; Mechanical Properties</b>		
1) Temperature	75 C	
<b>D. Electrical Properties</b>		
1) Voltage Rating	300 V <sub>RMS</sub>	
<b>E. Other</b>		
1) Requested Quantity	5000Ft.	

**Application Notes**

Similar to 518055 except LSZH Version

Exceptions to Customer Request:

1) Max. Temperature Rating is 75C not 90C.

2) This construction is outside the range of what has been tested to IEC 61034-2 and IEC 60754-1. Based on existing approvals to the UL -LS (Limited Smoke) test we would expect to meet the IEC requirements, but we will need to test samples from the initial production run to obtain the documentation for this.

3) A CE Declaration of Conformity will be supplied with the cable shipment for items 1 – 7 under Industry Approvals listed above. A sample will be taken from the production lot and submitted to an independent testing laboratory for testing to IEC 60332-1, IEC 60754-1 and 60754-2. Upon receipt of the test data, a revised D of C will be issued.

**CUSTOM PRODUCTS ARE NON-CANCELLABLE & NON-RETURNABLE EXCEPT FOR  
MANUFACTURING DEFECTS**

# ITEM DATA SHEET

NON-GEOMETRIC SPECIFICATION / UNCONTROLLED


MANUFACTURER	ALPHA WIRE
MANUFACTURER PART #	CDC11017
WIRE SIZE	N/A
INSULATION	N/A
INSULATION COLOR	N/A
VOLTAGE	N/A
CONDUCTOR MATERIAL	N/A
OPERATING TEMPERATURE	N/A
LENGTH	N/A
DESCRIPTION	WIRE - THERMOCOUPLE LOW SMOKE ZERO HALOGEN
CERTIFICATION / DOCUMENTATION	N/A
RRESI DRAWING #	RRE074157

## CERTIFICATIONS

### REQUIRED DOCUMENTS

ATTACHMENTS AND LINKS	CDC11017 thermocouple LSZH cable.pdf	ALPHA WIRE THERMOCOUPLE LOW SMOKE ZERO HALOGEN CABLE ;
	Graybar Quotation - 219052364 ALPHA WIRE.pdf	;

UNIT OF MEASURE	Metre
ITEM TYPE	Part - Manufacturing
MATERIAL GROUP	210330000
MATERIAL GROUP DESCRIPTION	Energy- CABLE / WIRE
SUBSYSTEM ACCOUNTABILITY	E-Fuel Lube Start
REFERENCE PART NUMBER, ID	
CHANGE ORDER NUMBER	64480.97

<b>NON-GEOMETRIC SPECIFICATION</b> ACCOMPANYING GEOMETRIC DRAWING MAY BE REQUIRED.	 <b>Rolls-Royce</b>	
	<b>EXPORT-CONTROLLED DOCUMENT</b> <small>This document contains technical data whose export is restricted by the Export Administration Act of 1979, as amended (Title 50, U.S.C., App 2401, Et Seq.) and is controlled by the Export Administration Regulations (15 CFR parts 730-774) under ECCN EAR99. Diversion contrary to US export law is prohibited.</small>	<small>ROLLS-ROYCE ENERGY SYSTEMS, INC. MOUNT VERNON, OH 43050 USA</small>
	<b>WIRE / THERMOCOUPLE</b>	
	<b>RRE074157</b>	
<small>This document is printed upon demand from a Rolls-Royce Energy data management system. While this information is given in good faith based upon the latest information available to Rolls-Royce plc, no warranty or representation is given concerning such information, which must not be taken as establishing any contractual or other commitment binding upon Rolls-Royce plc or any of its subsidiary companies.</small>	<b>REVISION</b> 0	<b>DATE</b> 20-Nov-2013