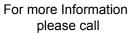
# **Detailed Specifications & Technical Data**



## 83905 Multi-Conductor - High-Temperature Thermocouple Wire





1-800-Belden1



### **General Description:**

20 AWG solid conductors, FEP insulation, unshielded, FEP jacket.

Physica	al Characteris	stics (O	verall)							
Conduc AWG:										
		Stranding	g Conductor Material							
1	20	Solid	Chromel							
1	20	Solid	Alumel							
Tota	al Number of Con	ductors:		2						
	tion Material:									
	sulation Material	wlong Bron	Wall Thickness oylene .010	s (in.)						
	P - Fluorinated Eth	iyiene Prop	bylene .010							
Out	Shield Shield Material: Iter Shield Materia shielded	al								
Outer J	lacket Jacket Material:									
	Jacket Material: Iter Jacket Materia	al								
FEF	P - Fluorinated Eth	ylene Prop	bylene							
Overall	Cable									
Ove	erall Nominal Diar	neter:		0.076 x 0.128 in.						
Mechar	nical Charact	eristics	(Overall)							
Ope	Operating Temperature Range:			-70°C To +200°C						
Non	Non-UL Temperature Rating:			200°C						
Bull	Bulk Cable Weight:			13 lbs/1000 ft.						
Min	. Bend Radius/Mi	nor Axis:		1.250 in.						
Applica	Applicable Specifications and Agency Compliance (Overall)									
			onmental Programs							
NEC	C/(UL) Specificati	on:		PLTC, CL3P						
EUI	EU Directive 2011/65/EU (ROHS II):			Yes						
EU	CE Mark:			Yes						
EUI	EU Directive 2000/53/EC (ELV):			Yes						
EUI	EU Directive 2002/95/EC (RoHS):			Yes						
EUI	EU RoHS Compliance Date (mm/dd/yyyy):			04/01/2005						
EU I	EU Directive 2002/96/EC (WEEE):			Yes						
EUI	EU Directive 2003/11/EC (BFR):			Yes						
CA	CA Prop 65 (CJ for Wire & Cable):			Yes						
MIL	MII Order #39 (China RoHS):			Yes						
ANS	SI Specification:			MC 96.1-1982 Type K						
Flame T	Flame Test									
ULI	Flame Test:			UL910 Steiner Tunnel						
Plenum/Non-Plenum										
Pler	num (Y/N):			Yes						



## 83905 Multi-Conductor - High-Temperature Thermocouple Wire

Surface Prin	nting (Overall)
ctrical C	haracteristics (Overa
	or DC Resistance: DCR @ 20°C (Ohm/1000 ft)
	420
ALUMEL	169

#### Notes (Overall)

Notes: Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83905 001100	100 FT	2.000 LB	BROWN		2#20 TYPE K THERMOCOUPLE
83905 0011000	1,000 FT	14.000 LB	BROWN	С	2#20 TYPE K THERMOCOUPLE
83905 001500	500 FT	7.000 LB	BROWN		2#20 TYPE K THERMOCOUPLE

Notes:

C = CRATE REEL PUT-UP.

Revision Date: 06-29-2011 Revision Number: 1

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